

I 7 3 2. *P. 2465*
755. 6. *24*

Apollo Anglicanus:

THE ENGLISH APOLLO.

Assisting

All Persons in the Right Understanding of this YE A R's Revolutions, as also of Things past, present, and to come.

A twofold Kalendar, viz. Julian or English, and Gregorian or Foreign Computations, more plain and full than any other; with the Rising and Setting of the Sun, the Nightly Rising and Setting of the Moon, and also her Southing, exactly calculated for every Day.

Of General Use for most Men.

Being Bissextile, or LEAP-YEAR.

To which is added the Moon's Application to the fixed Stars: With the Calculations of the Eclipses: Also Rules and Tables for the Measuring of Timber: With many other things both pleatant, useful, and necessary.

Meridian of Leicester, whose Latitude is 52 Degrees, 41 Minutes, exactly fitting all the middle Counties of England, and, without sensible Error, the whole Kingdom.

By RICHARD SAUNDER,

Student in the Physical and Mathematical Sciences.

The Six and Fortieth Impression of the same Author.

LONDON: Printed by A. WILDE,
for the Company of STATIONERS, 1732.

Yphemerides. &c.

The Julian, or Old Account used in England. } 1732. { The Gregorian, or New Stile used beyond Sea.

		The Golden Number.			The Dominical Letters.		
		14			The Epact.		
February	20					February	24
May	18					May	22
May	28					June	1
December	3					November	30

A TABLE of the TERMS, and their Returns

Hilary TERM begins Jan. 24, and ends Feb. 12

Essoin-days.	Except.	Ret. Brew.	Appear.	
Octab. Hilar. Jan. 2	January 21	Jan. 22	Jan. 24	M.
Quind. Hilar. Jan. 27	January 28	Jan. 29	Jan. 31	M.
Craftin. Purif. Feb. 3	Feb. 4	Feb. 5	Feb. 7	M.
Octab. Purif. Feb. 9	Feb. 10	Feb. 11	Feb. 12	Sa.

Easter Term begins April 26, and ends May 22

Quind. Pasc. April 24	April 25	April 25	April 26	W.
Tref. Pasch. May 1	May 2	May 2	May 3	W.
Menf. Pasch. May 8	May 9	May 9	May 10	W.
Quinq. Pasch. May 15	May 16	May 16	May 17	W.
Craft. Ascensf. May 19	May 20	May 20	May 22	M.

Trinity Terms begins June 9, and ends June 28

Craft. Trin. June 5	June 6	June 7	June 9	Fr.
Octab. Trin. June 12	June 13	June 13	June 14	W.
Quind. Trin. June 19	June 20	June 20	June 21	W.
Tref. Trin. June 26	June 27	June 27	June 28	W.

Michaelm. Term begins Oct. 23, and ends Nov. 28

Tref. Mich. Octob. 20	Octob. 21	Octob. 21	Octo. 23	M.
Menf. Mich. Octob. 27	Octob. 28	Octob. 28	Octo. 30	M.
Craft. Anim. Nov. 3	Nov. 4	Nov. 4	Nov. 6	M.
Craft Mart. Nov. 13	Nov. 14	Nov. 14	Nov. 15	W.
Octab. Mart. Nov. 18	Nov. 20	Nov. 20	Nov. 21	T.
Quind. Mart. Nov. 25	Nov. 27	Nov. 27	Nov. 28	T.

A TABLE of the **KINGS** and **QUEENS** of *England*, since the **Conquest**.

	<i>Born</i>	<i>Began to reign.</i>	<i>Reign.</i>	<i>Sincethair</i>	<i>Reign</i>	<i>Buried at</i>
	<i>Ann</i>		<i>Y.</i>	<i>M.</i>	<i>ended.</i>	
William 1	1029	1060, Octob. 14	20	11	653, Septem. 9	Caen Nor.
William 2	1056	1087, Sept. 9	12	11	632, August 2	Winchest.
Henry 1	1068	1100, Aug. 2	35	4	597, Decemb. 1	Reading
Stephen	1105	1135, Dec. 1	18	11	578, Octob. 25	Severham

The *Saxon* Line restor'd.

Henry 2	1132	1154, Octo. 25	35	9	543, July 6	Fountever
Richard 1	1155	1189, July 6	9	9	533, April 6	Fountever
John	1165	1199, April 6	17	6	516, Octob. 19	Worcester
Henry 3	1207	1216, Octo. 19	56	1	460, Nov. 16	Westmin.
Edward 1	1239	1272, Nov. 16	34	8	425, July 7	Westmin.
Edward 2	1283	1307, July 7	19	7	406, Jan. 25	Gloucester
Edward 3	1312	1326, Jan. 25	51	5	355, June 21	Westmin.
Richard 2	1366	1377, Jun. 21	22	3	333, Sept. 29	Westmin.

The Line of *Lancaster*.

Henry 4	1367	1399, Sept. 29	13	6	321, March 20	Canterb.
Henry 5	1386	1412, Mar. 20	9	5	311, August 31	Westmin.
Henry 6	1421	1422, Aug. 31	38	6	272, March 4	Windfor

The Line of *York*.

Edward 4	1442	1461, Mar. 4	25	1	250, April 9	Winchest.
Edward 5	1471	1483, April 5	0	1	248, June 18	Not know.
Richard 3	1448	1483, June 18	2	2	247, August 22	Leicester

The Families United.

Henry 7	1455	1485, Aug. 22	23	6	223, April 22	Westmin.
Henry 8	1491	1509, April 22	37	10	184, Jan. 28	Windfor
Edward 6	1537	1547, Jan. 28	6	5	179, July 6	Westmin.
Qu. Mary	1518	1553, June 6	5	4	174, Nov. 17	Westmin.
Qu. Eliz.	1533	1558, Nov. 17	44	4	130, March 24	Westmin.

The Two Kingdoms in the same Line.

James 1	1566	1602, Mar. 24	22	0	107, March 27	Westmin.
Charles 1	1600	1625, Mar. 27	23	10	83, Januar. 30	Windfor
Charles 2	1630	1648, Jan. 30	36	0	47, Februar. 6	Westmin.
James 2	1633	1684, Feb. 6	4	0	43, Februa. 13	S. Germai
Will. & Mary } 1650 } 1662 }	1650 } 1662 }	1689, Feb. 13	13 } 5 }	1 } 10 }	30, March 8 } 38, Decem. 28 }	Westmin. } Westmin. }
Qu. Anne	1665	1702, Mar. 8	12	5	18, August 1	Westmin
George 1	1660	1714, Aug. 1	12	10	5, June 11	Hanover.
George 2	1683	1727, June 11	11	11	Whom GOD grant long to Reign.	

You here may see a Race of Monarchs Great,
And in what Time each took the Royal Seat :
GOD set them up, the Subjects did them Crown,
The greatest Rebel dares not pull 'em down :
If some were bad, who durst them Tyrants call ?
Since good, or bad, they're GOD's Vicegerents all.

A TABLE, shewing the Time of the Moon's coming to the South, in Hours and Minutes, every Day, for the first Six Months of the Year 1732.

Days	January		February		March		April		May		June	
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.
1	12	A.36	0	M38	0	M 4	1	M 4	1	M35	3	M 6
2		0M36	1	19	0	44	1	53	2	30	4	2
3	1	23	2	0	1	25	2	44	3	24	4	49
4	2	4	2	42	2	13	3	39	4	19	5	38
5	2	44	3	24	2	59	4	33	5	10	6	29
6	3	25	4	9	3	49	5	27	6	2	7	20
7	4	9	4	59	4	40	6	21	6	53	8	15
8	4	52	5	50	5	31	7	13	7	43	9	10
9	5	35	6	42	6	31	8	5	8	34	10	6
10	6	25	7	40	7	28	8	9	9	30	11	4
11	7	14	8	37	8	22	9	53	10	25	12	1
12	8	3	9	35	9	17	10	46	11	24	0	A.56
13	9	1	10	33	10	10	11	44	12	23	1	48
14	10	0	11	28	11	6	12	41	1	A.22	2	35
15	10	56	12	22	12	0	1	A.41	2	19	3	21
16	11	50	1	A.16	0	A.57	2	39	3	13	4	2
17	12	51	2	9	1	53	3	36	4	1	4	44
18	1	A.44	3	6	2	51	4	30	4	44	5	24
19	2	37	4	1	3	50	5	21	5	28	6	5
20	3	27	4	56	4	46	6	11	6	11	6	46
21	4	19	5	52	5	38	6	51	6	51	7	32
22	5	11	6	46	6	31	7	30	7	31	8	18
23	6	5	7	37	7	19	8	12	8	14	9	11
24	6	59	8	29	8	5	8	53	8	58	10	5
25	7	54	9	15	8	50	9	33	9	43	11	3
26	8	46	9	59	9	29	10	17	10	34	12	1
27	9	38	10	40	10	11	11	1	11	29	0	M 1
28	10	28	11	22	10	52	12	50	12	20	0	55
29	11	13	12	4	11	34	12	39	0	M20	1	50
30	11	56			12	17	0	M39	1	19	2	41
31	12	38				0M17			2	1		

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TABLE, shewing the Time of the Moon's coming to the South in Hours and Minutes, every Day, for the last Six Months of the Year, 1732.

Days	July h. m.	August h. m.	Septem. h. m.	Octob. h. m.	Novemb. h. m.	Decem. h. m.
1	3M 11	4M 54	6M 39	7M 19	8M 11	8M 3
2	4 32	5 50	7 33	8 5	8 52	8 47
3	5 13	6 46	8 24	8 48	9 34	9 32
4	6 5	7 42	9 10	9 30	10 17	10 21
5	6 59	8 36	9 56	10 11	11 0	11 11
6	7 54	9 28	10 39	10 51	12 48	12 3
7	8 49	10 18	11 21	11 35	12 38	0A. 57
8	9 46	11 4	12 2	12 19	1A. 30	1 48
9	10 41	11 49	0A. 44	1A. 6	2 22	2 40
10	11 32	12 32	1 28	1 53	3 15	3 29
11	12 22	1A. 15	2 13	2 43	4 7	4 19
12	1A. 9	1 56	3 1	3 32	4 56	5 8
13	1 52	2 38	3 48	4 28	5 45	5 58
14	2 34	3 22	4 38	5 20	6 35	6 48
15	3 15	4 7	5 31	6 10	7 24	7 41
16	3 56	4 54	6 28	7 1	8 14	8 37
17	4 39	5 45	7 18	7 53	9 9	9 35
18	5 22	6 37	8 11	8 45	10 5	10 35
19	6 7	7 32	9 5	9 37	11 6	11 34
20	6 57	8 29	9 59	10 32	12 4	12 31
21	7 50	9 23	10 54	11 30	0M 4	0M 31
22	8 44	10 19	11 48	12 31	1 7	1 23
23	9 42	11 12	12 46	0M 31	2 5	2 11
24	10 39	12 7	0M 46	1 33	2 59	2 57
25	11 34	0M 7	1 47	2 33	3 49	3 39
26	12 28	1 0	2 49	3 31	4 35	4 22
27	0M 28	1 55	3 45	4 25	5 18	5 2
28	1 21	2 52	4 42	5 16	6 0	5 43
29	2 13	3 49	5 39	6 4	6 39	6 25
30	3 7	4 46	6 30	6 48	7 21	7 12
31	4 0	5 44		7 30		7 59

To find the Time of High Water in most Parts of England, &c

First seek the Moon's Southing in the foregoing Table for your Day, then you may conclude it High-Water at the *Ile of Wight, Southampton, Quinborough* and *Portsmouth*, for there the South and North Moons make a High-Water: But when you desire the Time of Full Sea in any of the following Coasts in the ensuing Table, find the Name of the Place, and see how many hours and minutes be annex'd thereunto in the Column under H. M. which being added to he time of the Moon's coming to the South, gives the time of High-Water at the Place required:

A Tide Table with the Names of the Havens. H. M.	
<i>Rochester, Malden, Aberdeen, West-end of the Nore</i>	0 45
<i>Gravesend, Downs, Thanet, Romney, Ramkins</i>	1 30
<i>Dundee, St. Andrews, Lisbon, Bell-Isle</i>	2 15
<i>London, Tinnmouth, Hartle-pool, white Bay, Amsterdam</i>	3 00
<i>Bridlington-Bay, Berwick, Ostend, Flushing, Bourdeaux</i>	3 45
<i>Firth, Leith, Dunbar, Narbon, Scarborough, Se- vern, Baltimore, Mounts-bay, Cork, Kingsale</i>	4 30
<i>Newcastle, Falmouth, Dartm. Humb. Torbay, Guernsey</i>	5 15
<i>Lyn, Antwerp, Plim. Hull, Weym. S. David's, S. Malo</i>	6 00
<i>Bristol, Start-point, Lanion, Foulness</i>	6 45
<i>Millford, Bridgwater, Northcoast, Lands-end, Waterford</i>	7 30
<i>Portland, Peter-port, Hartflew, Dublin</i>	8 15
<i>S. Hellens, Man-Isle, Pool, Needles, Orford, N. & S. Forel.</i>	9 00
<i>Dover, Yarmouth, Harwich, Galkice-Road, Bullein</i>	10 30
<i>Rye, Winchelsea, Calshot</i>	11 15

Example.

The 18th Day of April this Year, it is required to know the Time of High-Water at *London*: By the Table of the Moon's coming to the South, against April the 18th, I find the Moon South at 4 ho. 30 min. in the aftern. then in the Tide-Table above, I find against *London*, 3 hours, 0 min. which being added to 4 ho. 30 min. makes 7 ho. 30 m. in the Afternoon, the Time of High-water at *London*, the said 18th Day of April; the like of any other.

Note, The Latitude of the Moon and Winds may alter it an hour sooner or later; and the Tide flows considerably more at the New and Full Moons, than at the First and Last Quarters.

Directions

DIRECTIONS for the subsequent DIARY
or ALMANACK.

IN the first Column to the Left hand, on the Left-hand Page, you have the Numerical Figures of the Days of the Month.

In the second Column you have the Week-days, and the Dominical Letter.

In the third Column you have the Saints-days, and the Places of the Planets once a Month; as also the Moon's Application to the Fixed Stars, by which the Asterisms and Constellations may be easily known to an ingenious Eye and Understanding.

In the fourth Column the Moon's Place in the Zodiac, every Day at Noon.

In the fifth Column the Rising and Setting of the Moon, with Respect to her Latitude.

In the sixth Column the Mutual Aspects of the Planets, with the General State of the Weather.

In the first Column on the Right-hand Page you have the *English* Account.

In the second Column you have the *Roman* Account, being now Eleven Days before ours.

In the third Column the *Roman* Week-days.

In the fourth Column the perfect *Roman* Kalendar, and Saints-days.

In the fifth Column you have a Treatise of Thunder, Lightning, Earthquakes, &c.

The sixth, seventh, and eighth Columns, the utmost to the Right-hand, shew you the daily Rising and Setting of the Sun.

On the top of the Left-hand Page is set the New and Full Moons, with the first and last Quarters.

On the top of the Right-hand Page is set the Rising, Southing, and Setting of the Planets.

- Full Moon the 18 Day, at 5 in the Morning.
- ☾ Last Quarter the 9th day, at 8 in the Morning.
- New Moon the 16th day, at 1 in the Afternoon.
- ☾ First Quarter the 23d day, at 5 in the Morning.
- Full Moon the 30th day, at 11 at Night.

1	a	New Year's Day	canc.	25	Full	●	△ ☿ ☽ windy
2	b	Sun. af. Carist.	leo	7	5A	39	△ ☿ ☽ & stor-
3	c	☽ prope Coll. Ω	leo	20	6	53	my, followed
4	d	☽ pr. Tergum. Ω	virgo	2	8	5	with sharp &
5	e	☽ pr. Caud. Leon.	virgo	14	9	21	frosty weather
6	f	Epiphany.	virgo	26	10	21	then raw and
7	g	☽ pr. Sin. ala. ♀	libra	7	11	31	☿ ☽ ☽ cold,
8	a	☽ pr. Spica ♀	libra	19	12	41	also plenty of
9	b	Sun. af. Epiph.	scor.	2	0M	41	* ☽ h snow
10	c	Sol in Aquario	scor.	14	1	45	or cold Rain;
11	d	☿ ☽ o.	scor.	27	2	53	& continues
12	e	☿ ☽ 10 St. ad. R.	sagit.	9	4	0	drifling, & a
13	f	Hilary.	sagit.	23	5	4	a moist Air
14	g	☿ ☽ m 10.	capr.	7	5	58	for some time
15	a	☿ ☽ 26.	capr.	22	6	41	other while
16	b	Sun. af. Epiph.	aqua.	6	new	●	some high
17	c	☿ ☽ 15 R.	aqua.	21	6A	10	winds & storm
18	d	☿ ☽ 27.	pisces	6	7	41	△ ☽ ☽ ☽
19	e	☽ pr. merchab.	pisces	21	9	8	☽ especially bo t
20	f	Prince Wales bo.	aries	6	10	33	☿ ☽ ☽ the New
21	g	St. Agnes.	aries	20	12	1	Moon. Frosty now
22	a	☽ pr. Manker.	taur.	4	0M	1	for a day or
23	b	Sun. af. Epiph.	taur.	18	1	17	two △ ☿ ☽ but
24	c	Term begins:	gem.	1	2	31	soon alters to clou-
25	d	Conv. St. Paul.	gem.	14	3	38	dy, close, and raw
26	e	☽ pr. Luc. ped. II	gem.	27	4	35	Weather, other-
27	f	☽ pr. Sin. Gen. II	canc.	9	5	19	whiles ☽ ☽ ☽
28	g	☽ pr. Cast. & Pol.	canc.	22	5	53	some high Winds
29	a	☽ pr. Affellos.	leo	4	6	18	& storms towards
30	b	K Cha. I. Mart.	leo	16	Full	●	the end, a more
31	c	☽ pr. Cor. Leonis	leo	28	5A	47	sharp & frosty a r.
							and probable some
							Snow therewith.

Saunders.

January 1732.

Saturn at the beginning, Sets about 10 at Night; at the end, near 9. *Jupiter* at the beginning rises about 11 at Night; at the end between 9 and 10. *Mars* at the beginning rises between 1 and 2 in the Morning, at the end about 1. *Venus* emergeth, Setting a little after the *Sun*. *Mercury* is Combust.

Engliſh Accoun.	Rom. Calendar.	Rom. Sc. Days	Foreign Accoun.	Engliſh Accoun.
1	12	f	Satyrus	Of the Clouds,
2	13	f	S. af. Epi.	Thunder, &c.
3	14	g	Felix	
4	15	a	Mauritius	I Nmy laſt, ſpeaking
5	16	b	Marcellus	of Thunder, Light-
6	17	c	Anthony	ning, &c. I intimated
7	18	d	Prifca	that the Harm or Miſ-
8	19	e	Pontian	chief done thereby,
9	20	f	S. af. Epi.	was not by a Thun-
10	21	g	Agnes	der Bolt of Stone, (a
11	22	a	Vincent	many had imagin'd)
12	23	b	Emerant	but that it was the vi-
13	24	c	Timothy	olent Eruption of the
14	25	d	Con. St. Pa.	Fire (or Lightning)
15	26	e	Polycarp	that was the Shot that
16	27	f	S. af. Epi.	generally did the Miſ-
17	28	g	Car. Mag.	chief, and that which
18	29	a	Valerius	doth in a great mea-
19	30	b	Adelgun.	ſure, confirm that Opi-
20	31	c	Syriacus	nion, is, firſt, that in
21	Hebr.		Bridget	choſe Accidents there
22	2	e	Puri. V. M.	mentioned, and in ma-
23	3	f	S. af. Epi.	ny others known, and
24	4	g	Veronica.	heard of, no ſuch Stone
25	5	a	Agatha	Bolt was or cou'd be
26	6	b	Dorothy	found, nor was it pro-
27	7	c	Zeccharia	bable, that a Stone Bolt
28	8	d	Corinthia	or Bolts, cou'd ſo twiſt,
29	9	e	Apollonia	tear and ſhiver into
30	10	f	Septuageſi.	ſo ſmall piec's ſo great
31	11	g	Euphroſin.	a Tree as the May-pole
				there mentioned. Se-
				condly.

18	6	3	54
2	5		55
3	4		56
4	2		58
5	8	1	59
6	7	59	4
7		58	2
8		56	4
9		55	5
10		53	7
11		52	8
12		50	10
13		49	11
14		47	13
15	7	46	4
16		45	15
17		43	17
18		41	19
19		39	21
20		38	22
21		36	24
22		34	26
23	7	33	4
24		31	29
25		29	31
26		27	33
27		25	35
28		23	37
29		21	39
30	7	19	4
31		17	4

1732

February hath xxix Days.

- ☾ Last Quarter the 8th day, at 2 in the morning.
- New Moon the 14th day, at 11 at night.
- ☾ First Quarter the 21st day, at 4 in the afternoon.
- Full Moon the 29th day, at 5 in the afternoon.

Mon. Da.	Week Da.	Festival & Saints days, with the applicat. to the noted fixed stars	The place in the zodiac at N.	The rising fro. the full to the change, & setting fr. the cha. to the full	The mutual Aspects of the Planets, with the Various Constitution of Air, and change of Weather.
1	d	pr. Caud. Leon.	virgo 10	6A. 58	Moon's rising. sharp & frosty * ♀ with △ ♂ ♀ high winds, & storms of sno. or cold rain; now somewhat mild & pleasant for the season, but soon turns to cold winds △ ♀ with ♂ ♀ dri- ving rain or snow; and after the New Moon, ♂ ♀ we may expect some very sharp Frosts till the 19th or 20th Day, then yield- ing, followed with high Winds, and stormy weather, and continues so, (with now and then some sharp Frosts) to the end of the Month.
2	e	Purifica. V. M.	virgo 22	8 7	
3	f	pr. Vindemiati.	libra 4	9 15	
4	g	pr. Spica Virg.	libra 16	10 25	
5	a	pr. Austrest. ♀	libra 28	11 31	
6	h	Septuagesima.	scorp. 11	12 46	
7	c	h r 3.	scorp. 22	om 46	
8	d	Sol. in Pisces.	sagit. 5	1 50	
9	e	♂ ♀ 9 R.	sagit. 18	2 53	
10	f	♂ ♀ 23.	capr. 1	3 50	
11	g	♂ ♀ 29.	capr. 15	4 37	Moon's setting. sharp & frosty * ♀ with △ ♂ ♀ high winds, & storms of sno. or cold rain; now somewhat mild & pleasant for the season, but soon turns to cold winds △ ♀ with ♂ ♀ dri- ving rain or snow; and after the New Moon, ♂ ♀ we may expect some very sharp Frosts till the 19th or 20th Day, then yield- ing, followed with high Winds, and stormy weather, and continues so, (with now and then some sharp Frosts) to the end of the Month.
12	a	Term ends.	aquar. 0	5 15	
13	b	Sexagesima	aquar. 15	5 43	
14	c	Valentine	pisces 0	New	
15	d	♂ ♀ 10 D.	pisces 11	6A. 39	
16	e	♂ ♀ 25.	aries 0	8 7	
17	f	pr. Vent. Cete.	aries 15	9 37	
18	g	pr. Caput Arie.	taur. 0	11 0	
19	a	pr. Caud. Arie.	taur. 14	12 20	
20	b	Quinquagesima.	taur. 28	om 20	
21	c	pr. bor. Corn. ♀	gem. 11	1 29	Moon's setting. sharp & frosty * ♀ with △ ♂ ♀ high winds, & storms of sno. or cold rain; now somewhat mild & pleasant for the season, but soon turns to cold winds △ ♀ with ♂ ♀ dri- ving rain or snow; and after the New Moon, ♂ ♀ we may expect some very sharp Frosts till the 19th or 20th Day, then yield- ing, followed with high Winds, and stormy weather, and continues so, (with now and then some sharp Frosts) to the end of the Month.
22	d	Shrove Tuesday.	gem. 24	2 28	
23	e	Ash-Wednesday.	canc. 7	3 18	
24	f	pr. Cast. & pol.	canc. 19	3 56	
25	g	St. Matthias.	leo 1	4 24	
26	a	pr. Caput. Leon.	leo 13	4 45	
27	b	Quadragesima.	leo 25	5 2	
28	c	pr. Terg. Leon.	Virg. 7	5 31	
29	d	pr. Sin. al. ♀	Virg. 19	Full	

Saunders. February 1732.

Saturn at the begin. sets betw. 8 & 9 at Night, at the end about 7. *Jupiter* at the begin. is Sou. betw. 2 and 3 in the Morn at the end betw. 1 and 2. *Mars* at the begin. rises about 1 in the Morn at the end betw. 1 & 1 in the Morn. *Venus* sets aft ☉ *Mercury* rises bef. ☉

		Periæ. Sta. & Concep.	Of Thunder, Light- ning, &c.	M.D.	☉. rif.	☉. set.			
1	12	a	Severinus	condly, By the Impro-	17	16	4	44	
2	13	b	Eustatius	bability of a Stone be-	2	14		46	
3	14	c	Valentine	ing bred or made in	3	12		48	
4	15	d	Faustinus	the Clouds, as one Au-	4	10		50	
5	16	e	Julianus	thor would have it ;	5	8		52	
6	17	f	Sexagesi.	saying, that in the Ex-	6	6		54	
7	18	g	Concordia	halations raised from	7	4		56	
8	19	a	Romanus	the Earth, is contain'd	8	2	4	58	
9	20	b	Mildred	much earthly Matter,	9	0	5	0	
10	21	c	Esaia	which clottering to	10	6	58	5	2
11	22	d	Cath. Pet	gether by Moisture,	11	56		4	
12	23	e	Serenus	being clammy by Na	12	54		6	
13	24	f	Quinqu.	ture, consisting of	13	52		8	
14	25	g	S. Marth.	Brimstone, and other	14	50		10	
15	26	a	Shro. Tue.	metallick Substances,	15	48		12	
16	27	b	Ash-Wed	by the excessive Heat.	16	46		14	
17	28	c	Oswald.	is harden'd as a Brick	17	44		16	
18	29	d	Fortuna	in th Fire, &c. But	18	6	42	5	18
19	30	e	David B.	methinks by that time	19	40		20	
20	1	f	Quadrage.	these earthy Particles	20	38		22	
21	2	g	Mauritius	were so far united, as	21	36		24	
22	3	a	Adrianus	to become as large as	22	34		26	
23	4	b	Phocas	common Hail-Shot,	23	32		28	
24	5	c	Victorius	they would naturally	24	30		30	
25	6	d	Perpetua	be returning, and not	25	28		32	
26	7	e	Cyprianus	stay to be furthe	26	26		34	
27	8	f	Remigius	magnified and petrefi-	27	24		36	
28	9	g	Agapite	ed ; when I see it rain	28	6	22	5	38
29	10	a	40 Mart.	entire	29	20		40	

1732.

March hath xxxi Days.

- ☾ Last Quarter the 8th day, at 4 in the afternoon.
 ● New Moon the 15th day, at 8 in the morning.
 ☽ First Quarter the 22d day, at 5 in the morning.
 ● Full Moon the 30th day, at 10 before Noon.

1	d	Q. Caroline bor.	libra	1	7 A.	2
2	e	Ghad 3. (1682.	libra	13	8	22
3	f	Ember Week	libra	25	9	41
4	g	D pr. Lanx Aust.	scorp.	7	1	44
5	a	2 Sun. in Lent.	scorp.	19	11	51
6	b	D pr. Cor. Scorp.	sagit.	1	12	55
7	c	D pr. dex gen. op.	sagit.	14	○ M	55
8	d	D pr. Sin. Man 7	sagit.	27	1	45
9	e	507 in Article.	capr.	10	2	35
10	f	D pr. aust. corn vy	capr.	24	3	14
11	g	D pr. luc. man. 3	aqua.	8	3	45
12	a	3 Sun. in Lent.	aqua.	23	4	10
13	b	h v 7.	pisces	8	4	29
14	c	2 5 R.	pisces	23	4	52
15	d	8 4.	aries	9	New	●
16	e	8 11.	aries	24	8 A.	35
17	f	St. Patrick.	taur.	9	10	1
18	g	8 18.	taur.	23	11	21
19	a	Midlent Sund. 1	gem.	7	12	28
20	b	8 23.	gem.	20	○ M	28
21	c	Benedictus	canc.	3	1	22
22	d	D pr. Cast. & pol.	canc.	16	2	3
23	e	D pr. Assellos	canc.	28	2	34
24	f	D pr. Cap. Leon.	leo	10	2	57
25	g	Annun. B. V. M.	leo	22	3	18
26	a	5 Sun. in Lent.	virgo	4	3	35
27	b	D pr. Caud. Leon	virgo	16	3	52
28	c	D pr. Vindemia	virgo	28	4	8
29	d	D pr. Spica Virg.	libra	10	4	24
30	e	D pr. Aus. Vest m	libra	22	Full	●
31	f	D pr. Lanc. Aust.	scorp.	4	8 A.	39

Moon's rising.

Moon's setting.

☐ 8 ♀ frosty
 & pleasant at
 the beginning
 then yielding
 with windy &
 8 h 4 stor.
 my weather,
 followed with
 some warm &
 pleasant days;
 now some brisk
 △ ☉ 8 Frosts
 with fair & pleasant
 8 ☉ 4 after-
 noons; about the
 8 ☉ h. * 4
 8 New Moon,
 some windy and
 stormy Days, also
 cloudy and close
 then some gentle
 8 4 ♀ Frosts
 △ 8 ♀ with
 8 h 8 warm
 and pleasant after-
 noons: But the
 24th or 25th Days
 produce high
 winds and stormy
 weather, and prob-
 ably about the
 end plenty of
 8 4 ♀ Rain
 or Snow.

Saunder.

March 1732.

Engl. Account.	For. Account.	Rom. Calendar.	Rom. St. days.	Saturn in the middle of the Mo. is Combust
				Jupiter at the begin. is Sou. betw. 12 & 1
				in the Morn. at the end betw. 11. & 12 at
				Night. Mars at the begin. rises about Mid-
				night; at the end betw. 11 & 12. Venus
				sets betw. 9 and 10 at Night. ♀ Combust.

1	12	a	Gregory	entire Fish-ponds, and	1	6	18	5	4	
2	13	b	Severinus	Rivers, it will be time	2		16		44	
3	14	c	Eutychus	to credit the other Sto-	3		14		46	
4	15	d	Longinus	ry. Indeed, Sennertus,	4		11		49	
5	16	e	Oculi	in his natural Philo-	5		9		51	
6	17	f	Gertrude	sophy, speaking of the	6		7		53	
7	18	g	Edw. R.	Thunder-bolt, saith it	7		4		56	
8	19	a	Josephus	is ariery and thin Ni-	8	6	2	5	58	
9	20	b	Cuthbert	ero-Sulphureous Spi-	9	6	0	6	60	
10	21	c	Bene. A. B	rit, and not a Stone.	10	5	5	8	62	
11	22	d	Victorius	as the common Peo-	11		5	6	64	
12	23	e	Letae	ple imagine, for the	12		5	4	66	
13	24	f	Quirinus	wonderful Power and	13		5	2	68	
14	25	g	An. B. V.	Force of the Thunder-	14		5	0	70	
15	26	a	Castulus	bolt must not be as-	15		4	8	72	
16	27	b	Nector	cribed to a Stone, but	16		4	6	74	
17	28	c	Dorothy	to a Body much more	17		4	4	76	
18	29	d	Fortuna	thin and subtil. But	18	5	4	2	78	
19	30	e	Judica	(says he) if any Man	19		4	0	80	
20	31	f	Salbina	will hold, that a most	20		3	8	82	
21	April	g	Theodore	solid Stone may be	21		3	6	84	
22	1	a	Mary Egy.	sometimes bred in the	22		3	4	86	
23	2	b	Ulpianus	Clouds of Exa'tation	23		3	2	88	
24	3	c	Ambrose	th'cken'd and coagu-	24		3	0	90	
25	4	d	Vincent	lated, and be cast	25	5	2	8	92	
26	5	e	Palm Sun	down with the Thun-	26		2	6	94	
27	6	f	Cæstius	der-bolt or Lightning, as a	27		2	4	96	
28	7	g	Dionisius	bullet or out of Gun: I	28		2	2	98	
29	8	a	Marcellus	shall not contend with him,	29		1	9	41	
30	9	b	Ezekiel	yet I think such a thing hap-	30	5	1	7	5	43
31	10	c	Leo Pap.	peneth but seldom, thus fa-	31		1	5	45	
				Sennertus. But Hen. Viter-						
				jastini.						

- ☾ Last Quarter the 7th day, at 3 in the morning.
 ● New Moon the 13th day, at 5 in the afternoon.
 ☾ First Quarter the 20th day, at 11 at Night
 ● Full Moon the 29th day, at 1 in the morning.

1	g	☾ pr. Lances.	scorp. 16	9A. 49	Moon's rising.	Some moderate Showers △ ☿ ♀ and pleasant weather at the beginning; then follows some brisk Winds, * ♀ h and storms, other whiles, some gentle Frosts; but about the New Moon, we may expect plenty of drizzling Rain, or Showers: Also windy & stormy, △ ☿ ♀ and uncertain weather for some time. ☿ ♂ ♀ Now we shall have warm, pleasant, & seasonable Weather, followed with ☐ ☿ ♀ cloudy close, and a cold Air; about the end warmer, with some pleasant Showers.	
2	h	☾ Palm Sunday.	scorp. 29	10 56			
3	h	☾ pr. dex gen. op.	sagit. 11	11 57			
4	c	☾ pr. Sin. Man	sagit. 24	12 49			
5	d	☾ pr. Caput. ♄	capr. 7	0M 49			
6	e	h ♀ 10.	capr. 20	1 20			
7	f	☾ Good Friday.	aquar. 4	1 53			
8	g	☿ ♄ 2. R.	aquar. 18	2 19			
9	h	☾ Easter-Day.	pisces 2	2 40			
10	b	☉ in Tauro	pisces 17	3 3			
11	c	♂ ♄ 6. R.	aries 2	3 23	Moon setting.		
12	d	♂ ♀ 13.	aries 17	3 42			
13	e	♀ ♂ 20.	taur. 2	New ☾			
14	f	♀ ♄ 21.	taur. 17	9A. 4			
15	g	☾ pr. Aldebaran	gem. 11	10 22			
16	h	☾ Low Sunday	gem. 15	11 26			
17	b	☾ pr. Luc. Ped. ♀	gem. 29	12 15			
18	c	☾ pr. Cast. & Pol	canc. 12	0M 15			
19	d	☾ pr. Ra in Ca	canc. 24	0 44			
20	e	☾ pr. Aſſellos	leo 7	1 9			
21	f	☾ pr. Cor Leon.	leo 19	1 31			
22	g	☾ pr. Terg. Leon.	virgo 1	1 54			
23	h	☾ 2 Sun. aft. E. st.	virgo 13	2 6			
24	b	☾ pr. Aſt. al. ☿	vi go 24	2 21			
25	c	☾ St. Mark	libra 6	2 36			
26	d	☾ Term begins	libra 18	2 54			
27	e	☾ pr. aſt. veſt. ☿	scorp. 1	3 12			
28	f	☾ pr. Lances.	scorp. 13	3 36			
29	g	☾ pr. Front. ☿	scorp 2	Full ☾			
30	h	☾ 3 Sun. aft. E. st.	sagit. 8	9A. 54			

Saunders.

April 1732.

Engl. Account.	For. Account.	Rom. Calendar.	Rom. St. days.	Saturn emergeth rising a little before the Sun.					
				Jupiter at the begin. is South between 10 and 11 at Night, at the end about 9.					
				Mars at the begin. rises between 10 and 11 at Night, at the end betw. 9 and 10. Venus at the begin. sets betw. 10 and 11 at Night; at the end betw. 11 and 12. Mercury emergeth setting after the Sun.					
1	12	d	Julius	jectini, in Philoso. Natural.	1	5	13	6	47
2	13	e	Pascha	Lib. 3. Chap. 7. Ait,	2		11		49
3	14	f	Tiburtius	Cum Fulmine nonnun-	3		9		51
4	15	g	Perpetua	quam lapis, Solidissimus ex-	4		7		53
5	16	a	Carisius	fuliginosus, glutinosus & ter-	5		5		55
6	17	b	Anicetus	retribus, ejus partibus, con-	6		3		57
7	18	c	Sulpitius	glutinitur, qui ima, ejectus	7	5	1	6	59
8	19	d	Timothe.	durissima etiam confringit	8	4	59	7	1
9	20	e	Quasmod.	Corpora. which I shall believe	9		57		3
10	21	f	Quintin	as I told you before: 'Tis	10		55		5
11	22	g	Emanuel	as good as the grave Divine	11		53		7
12	23	a	St. George	in his Observations of the	12		51		9
13	24	b	Albertus	Natural History of the Earth,	13		49		11
14	25	c	St. Mark	speaking of prodigious Rains;	14		47		13
15	26	d	Cletus	amongst the rest, of its rain-	15	4	45	7	15
16	27	e	Misericor.	ing Frogs; and offering at	16		43		17
17	28	f	Vitalis	the probability thereof, says,	17		41		19
18	29	g	Pet. D M.	that by the great Heat of the	18		40		20
19	30	a	Eutropius	Son, the Spawn of Frogs	19		38		22
20	May	b	Phil. & Jac.	may be raised into the Clouds	20		36		24
21	1	c	Athanasius	and there brought to that	21		35		25
22	2	d	Inv. Crusis	Matur ty, as to become Frogs,	22	4	33	7	27
23	3	e	Jubilate	and to be rained down upon	23		31		29
24	4	f	Gothard	us, there must surely be quick	24		29		31
25	5	g	Jo. port. lat.	Dispatch in those cold Re-	25		27		33
26	6	a	Juvenal	gions, to what is here below,	26		25		35
27	7	b	Stanislaus	where this Spawn, when it	27		23		37
28	8	c	Greg. Naz.	begins to move, first be-	28		22		38
29	9	d	Gordi, &c.	comes a Bull-head or Poll-	29		20		40
30	10	e	Cantare	head, as they are usually	30	4	18	7	42
				called, and are six Weeks,					
				or more, &er they have all					
				their Legs, and can properly					
				be called Frogs: A Shower					
				of Poll-heads would be in-					
				deed a prodigious Rain; but					
				as for Frogs, they like so ma-					
				ny Eggs set at the same Time)					
				coming many Thousands					

1732.

May hath xxxi Days.

- ☾ Last Quarter the 6th day, at 10 in the morning.
 ☾ New Moon the 13th day, at 2 in the morning.
 ☾ First Quarter the 20th day, at 3 in the afternoon.
 ☾ Full Moon the 28th day, at 2 in the afternoon.

1	b	St. Phil. & Jacob	Capit. 21	10A 50	Moon's rising.	Gentle Frosts
2	c	☾ pr. Caput ♄	capr. 4	11 35		but soon turns
3	d	h γ 13.	capr. 17	12 9		* ♄ ☽ to dri-
4	e	☽ ☽ o St. ad D.	aqua. 0	cM 9		ving, and a
5	f	♄ ♄ 1 R.	aqua. 14	0 26		close Air; &
6	g	♄ ☽ 10.	qua 28	0 50		continues dri-
7	h	☽ Sun. aft. East.	pisces 12	1 10		ving or how; y
8	i	☽ ☽ 14 St. ad R.	pisces 27	1 29		* ♄ ☽ for
9	j	☽ ♄ 21.	aries 11	1 48		some Days.
10	k	☽ in Gemini	aries 26	2 12		☽ ☽ ☽ ☽ ☽
11	l	☾ pr. Caud. Aries	aur. 10	2 41	Moon's setting.	☽ ☽ ☽ ☽ now
12	m	☾ pr. Pleiades	aur. 25	3 13		some hot Days
13	n	☾ pr. Aldebaran	gem. 9	New		a. e. expected,
14	o	Rogation Sun.	gem. 23	10A. 3		with Showers
15	p	☾ pr. Luc. Ped. ♀	canc. 7	10 43		about the New
16	q	☾ pr. Castor	canc. 21	11 12		Moon, and conti-
17	r	☾ pr. Asello	leo 2	11 34		nues hot with fre-
18	s	Ascension Dom.	leo 15	11 53		quent Showers;
19	t	☾ pr. Cord. Leon	leo 27	2 7		but after the 19
20	u	☾ pr. Caud. Leon	virgo 9	oM 7		☽ ☽ ☽ or 20
21	v	☽ 6 Sun. aft. East.	virgo 21	0 24	Moon's setting.	☽ ☽ ☽ Days
22	w	Term ends	libra 3	0 39		fair, hot, and dry
23	x	☾ pr. Spic. Virg.	libra 14	0 56		weather, and may
24	y	☾ pr. Auf. Vest. ♀	libra 27	1 14		probably continue
25	z	☾ pr. Lances.	scorp. 9	1 38		to, till about the
26	a	☾ pr. Front. M ♀	corp. 21	2 5		* ☽ ☽ * ♄
27	b	☾ pr. Cord. Scor.	agit. 4	2 40		☽ Full Moon;
28	c	White-Sunday	agit. 17	Full		about which we
29	d	K. Co. 2 Nat. & Re.	capr. 0	9A. 25		may expect some
30	e	☾ pr. Caput ♄	capr. 14	0 5		((Ecl. visib.
31	f	Ember Week	capr. 27	10 34		high Winds
						and Storms.
						* ♄ ☽

SAUNDER. May, 1734.

1. at the beginning rises about 3 in the morning, at
 the end between 1 and 2. ♀ at the beginning sets
 between 2 and 3 in the morning, at the end a little
 after 1. ♂ at the beginning is south a little after
 midnight, at the end between 10 and 11 at night
 ♀ sets between 11 and 12 at night. ♂ is comfust

12	f	Pancratius	lands of them to that Ma-	11	16	7	4
13	g	Servatius	turity of gaining Legs	2	15		43
14	a	Boniface	much about a time, come	3	13		47
15	b	Sophia	leaping or hopping out of	4	11		49
16	c	Peregrinus	the Ponds or some Brooks	5	8		51
17	d	Torpet	where they are so plenti-	6	8	7	52
18	e	Rogate	fully bred, and after a warm	7	7		53
19	f	Potentia	Evening Shower the Roads	8	5		55
20	g	Dunstan	near such Ponds or Brooks	9	4		56
21	a	Helena	are sometimes so thick be-	10	2		58
22	b	Afc. Dom.	sprinkled with them, that	11	4	7	55
23	c	Deliderius	one can scarcely see a foot	12	4	6	56
24	d	Eulher	besides them; hence some	13	3	55	8
25	e	Exaudi	over credulous Persons	14		58	
26	f	Quadratus	have fancy'd (or been ea-	15		57	3
27	g	Urbanus	sily per uaded) that it hath	16		56	2
28	a	Germanus	been a Shower of Frogs,	17		54	
29	b	Maximin.	and many Tricks have be n	18		53	7
30	c	Wigand.	play'd to confirm them in	19		52	
31	d	Petronel	such Belief. But all this	20	3	50	3
32	e	Pentecost	s little to what is told us	21		49	11
33	f	Marcellus	by Tit. Liv. Phil., &c. o.	22		48	12
34	g	Erasmus	its raining Wheat; Milk,	23		47	1
35	a	Quirintis	blood, Flesh, Fish, Iron,	24		46	12
36	b	Boniface	Wool, Brick, Stones &c.	25		45	13
37	c	Artemid	all which are probably as	26		44	14
38	d	Paulus	true as what is related out	27		43	15
39	e	Trin. Sund	of Avicenna, that once on	28		42	16
40	f	Barnim.	a time a Calf fell out of	29		41	1
41	g	Getuliu.	the Skies. Sennertus sp ak-	30	3	43	3
42	a	St. Ternat					

June hath XXX Days.

- ☾ Last Quarter the 4th day at 3 in the Afternoon.
- ☾ New moon the 11th day at Noon.
- ☾ First Quarter the 19th day at 8 in the morning.
- ☾ Full moon the 27th day at 1 in the morning.

1	c	pr. sin. man. ♍	aquar. 11	10A 58	Moon's rising.	Fair and 1 or wea
2	f	pr. sin. humi. ♋	aquar. 25	11 20		ther at the be
3	b	pr. dex. man. ♊	pisces 9	11 39		ginning, but
4	a	Trinity Sunday	pisces 23	11 54		probably some
5	d	pr. Algenib	aries 7	12M 12	Moon's setting.	Showers about
6	c	pr. iii * ariet	aries 21	0 12		this time, & con
7	d	pr. Marker	taur. 6	0 30		tinues showery
8	e	pr. Pleiades	aur. 20	1 1		and dropping fo
9	f	Term begins	gem. 4	1 46	Moon's setting.	some Days, and
10	a	Sol in Cancer	gem. 19	2 32		☐ ☉ ♋ ☽ ♀
11	b	K. Geo. II Inaug.	canc. 1	New		St. Barnabas
12	c	☐ ecl. 11 d. inv.	canc. 15	9 A 0		some Thunder
13	d	pr. Altilios	canc. 28	9 35	Moon's setting.	about the New
14	e	pr. aul. cat. ♌	leo 10	9 55		Moon; then some
15	f	K. Geo. 2. procl.	leo 23	10 14		nitty Mornings,
16	a	pr. Tergum S	virgo 5	10 3		☐ ☽ ♍. with an
17	b	pr. caud. Lecl.	virgo 17	10 44	Moon's setting.	Increase of Heat
18	c	2d. aft. Trin.	virgo 29	10 58		* ♀ ♍. & now &
19	d	pr. Spica Virg.	libra 11	11 14		then some gentle
20	e	pr. aul. v. d. ♎	libra 22	11 37		Showers, but
21	f	h. v. 17.	scorp. 4	11 52	Moon's setting.	for the most
22	a	v. = 2. D.	scorp. 17	12M 21		part hot and
23	b	St. John Baptist	scorp 29	0 21		sultry, & (except
24	c	3d. aft. Trin.	sagit. 12	1 6		some cooling
25	d	Q. ♍ 28.	sagit. 25	1 54	Moon's setting.	Showers ab ut
26	e	☐ ☽ ☉	capri. 9	2 53		* ☽ ☉. the Full
27	f	Term ends	capri. 23	Full		☐ ☉ ♋. Moon) w
28	a	St. Peter & Paul	aquar. 7	9 0		☐ ♋ ♀. may hav
29	b	☐ ☽ 18.	aquar. 21	9 20	Moon's setting.	very hot Weathe
30	c		pisces 5	9 35		to the month's en

SAUNDER. June 1732.

For Account.		Korn. Kalend.	Com. Kalend.	At the beginning rises about 1 in the morn. at the end between 11 and 12 at night. At the beginning sets between 12 and 1 in the morn. at the end a little after 11 at night. At the beginning is south between 9 and 10 at night. at the end about 8. Sets between 10 and 11 at night. Emergeth.	
1	12	b	Corp. Chri.	ing hereof, faith it is in-	13 43 17
2	13	c	Cyrellus	credible that Animals,	21 43 17
3	14	d	Vale ius	great Stones, &c. should	21 43 18
4	15	e	S. aft. Tri.	be generated or bred in	21 43 18
5	16	f	Rulandus	Clouds or Air, but that	21 43 18
6	17	g	Botolph	possibly some such Things	21 43 18
7	18	a	Ma cus	may have been by Whirl	21 43 19
8	19	b	Gervase	winds caught up in one	21 43 19
9	20	c	Regina	place, & let fall or thrown	21 43 19
10	21	d	Albanus	down in another. I also	21 43 19
11	22	e	S. aft. Tri.	hinted in my last, that as	21 43 19
12	23	f	Basilius	Thunder and Lightning	21 43 19
13	24	g	S. Joh. Bap.	were caused by nitrous and	21 43 19
14	25	a	Amandus	sulphureous Particles being	21 43 18
15	26	b	Jeremias	inclosed, pent up, and at	21 43 18
16	27	c	Sept. Dor.	last tied in the Body of a	21 43 18
17	28	d	Leo Pap.	Cloud, so Earthquakes are	21 43 18
18	29	e	S. aft. Tri.	Peter & Paul) caused by	21 43 17
19	30	f	Lucina	sulphureous, nitrous, and	21 43 17
20	July	g	Tr. Syrith.	bituminous Substances bur-	21 43 17
21	1	a	Vilic. V. M.	ning in the Bowels of the	21 44 16
22	2	b	Cornelius	Earth; and this seems very	21 44 16
23	3	c	Urius	agreeable to what is, and	21 45 15
24	4	d	Anselm	hath been generally obser-	21 45 15
25	5	e	S. aft. Tri.	ved, where are, or have	21 46 14
26	6	f	Tho. Becker	ed, so frequent Earth	21 47 13
27	7	g	Grisbald	quakes, as in those Coun-	21 48 12
28	8	a	Cyrius	tries where are those burn-	21 49 11
29	9	b	7 Frates	ing Mountains, or other	21 50 10
30	10	c	Benedict	Vulcan's, such as the Sul	21 51 9

July hath XXXI Days.

- ☾ Last Quarter the 3d day at 8 at night.
- ☾ New Moon the 10th day at midnight.
- ☾ First Quarter the 19th day at 1 in the morning.
- ☾ Full Moon the 26th day at 9 in the morning.

1	B	☾ pr. Merchab.	pisces	19	6	A53	Hot and sultry
2	B	☾ Sun. aft. Trin.	aries	4	10	12	Weather at the
3	b	☾ pr. Vent. Cete.	aries	18	10	36	☾ ☉ ☽. beginning
4	c	☾ pr. pri. * ariet.	taurus	2	11	33	bnt showery about
5	b	☾ pr. Caud. Ari.	taurus	16	11	37	☐ ☽ ☽. the 5th
6	e	☾ pr. Pleiades	gemini	0	12	17	or 6th days, and
7	f	Thomas à Becker	gem.	13	6	M17	probably Thunder
8	B	☾ pr. Prapus	gem.	27	1	18	therewith; also
9	B	☾ Sun. aft. Trin.	canc.	10	2	20	☐ ☽ ☽. some
10	b	☾ pr. Lu. Ca. &	canc.	23	7	A49	cooling Winds &
11	c	☾ pr. Aus. Bra. &	leo	6	7	A49	Showers about the
12	d	☾ Sun. Lion	leo	18	1	6	☽ ☉ ☽. New
13	e	☾ pr. Au. Ven. &	virgo	1	1	29	Moon, and expect
14	f	☾ pr. caud. leon.	virgo	13	8	44	* ☽ ☽. it will
15	B	St. Swithun	virgo	25	8	59	continue Showers
16	B	☾ Sun. aft. Trin.	libra	7	9	15	* ☉ ☽. for some
17	b	☾ pr. Spic. virg.	libra	18	9	30	Time; but about
18	c	Dog-days begin	libra	29	9	51	the 19 or 20 Days
19	d	☾ pr. Lanx aust.	scorp.	12	10	18	fair and hot for
20	e	☽ ☽ 17 St. ad B.	scorp.	25	10	54	☐ ☽ ☽. a Day or
21	f	☽ ☽ 6.	sagit.	7	11	30	two, then more
22	B	Mary Magdalen	sagit.	20	12	31	showery, with
23	B	☾ Sun. aft. Trin.	capr.	3	0	M31	brisk Winds, and
24	b	☽ ☽ 29.	capr.	17	1	43	probably Thunder
25	c	St. James	aquar.	1	3	0	therewith, and
26	d	☽ ☽ 8 R.	aqua.	16			shall have frequen
27	e	☽ ☽ 0.	pisces	0	7	A38	☐ ☽ ☽. Showers
28	f	☽ ☽ 17.	pisces	15	7	59	but hot withall,
29	B	☾ pr. Algenib	aries	0	8	19	☐ ☽ ☽. and con-
30	B	☾ Sun. aft. Trin.	aries	14	8	43	tinues so to the
31	b	☾ pr. pri. * ariet.	aries	29	9	9	☐ ☽ ☽.

Moon's rising.

Moon's setting.

Moon's rise.

Eng. Account.

SAUNDER. July, 1732.

Rom. Sts. days: *Is at the beginning rises about 11 at night, at the end betw. 9 and 10. 4 at the beginning sets betw. 10 and 11 at night, at the end betw. 9 and 10. 5 at the beginning sets betw. 11 and 12 at night, at the end betw. 10 and 11. 6 at the beginning sets bet. 9 & 10 at nig. at the end bet. 7 & 8. 7 combust.*
 Rom. Calend.
 For. Account.
 Eng. Account.

1	12	B	Nab, &c.	fatara, and Vesuvius, in the	13	52	8	8
2	13	C	S. alt. Tri	further Parts of Italy;	2	53		7
3	14	C	Bonavent.	Mount Atna, and others	3	54		6
4	15	B	Swithin	in Sicily. How often at	4	55		5
5	16	B	Kenelm	this Day do we hear of	5	56		4
6	17	B	Hilarius	Earthquakes in the further	6	58		2
7	18	C	Maternus	Parts of Italy, and also in	7	59	8	1
8	19	D	Ruffina	Sicily, and in antient Hi-	8	60	8	0
9	20	C	S. alt. Tri	story, as Seneca's Nat. Quest.	9	61	7	59
10	21	C	Praxeda	where he relates how Cam-	10	3		57
11	22	G	M. Mag.	pania trembled for several	11	5		55
12	23	G	Apollinus	Days together; and Livy	12	6		54
13	24	H	Christiana	writes thus (as quored by	13	7		53
14	25	C	St. James	Sennerius) that in the Year	14	9		51
15	26	D	Anna	when L. Cornelius and Q	15	10		50
16	27	C	S. alt. Tri	Minutius were Consuls,	16	11		49
17	28	F	Panthol.	there were so many Reports	17	13		47
18	29	G	Beatrix	of Earthquakes, that Men	18	15		45
19	30	A	Abdon	were weary, not only of the	19	17		43
20	31	B	Germanus	thing itself, but of the ma-	20	18	7	42
21	Aug	C	Laurence	ny solemn Days appointed	21	20		40
22	2	D	Moses	because of the said Earth-	22	22		38
23	3	C	S. alt. Tri	quakes. And the same Au-	23	24		36
24	4	F	Aristarch.	thor also relates that there	24	26		34
25	5	G	Fest. Niv.	was an Earthquake for 40	25	28		32
26	6	A	Sixtus	Days together. Pliny also	26	29		31
27	7	B	Cyriacus	relates, that in the Reign	27	31		30
28	8	C	Romanus	of Tiberius Casar 12 Cities	28	32		28
29	9	D	Theodof.	in Asia were in one Night	29	34		26
30	10	C	S. alt. Tri	overthrown by an Earth-	30	36	7	24
31	11	F	Titus	quake;	31	38		22

August hath XXXI Days.

- ☾ Last Quarter the 2d day at 1 in the morning.
- ☾ New moon the 9th day at 2 in the afternoon.
- ☾ First Quarter the 17th day at 5 in the afternoon.
- ☾ Full moon the 24th day at 5 in the afternoon.
- ☾ First Quarter the 31st day at 9 in the morning.

1	Latitudes	taur.	13	9	A42	Calm, hot, & dry
2	☾ pr Pleiades	taur.	27	10	19	Weather at the
3	☾ pr. Bor. coin. &	gem.	10	11	5	beginning; some
4	☾ pr. Propus	gem.	23	12	3	gentle Showers
5	☾ pr. luc. ped II	canc.	6	0	M 3	pour the 5 or 6
6	☾ Sun. aft. Trin.	canc.	19	1	18	☾ ☽ ☿. days, then
7	☾ pr. Affellos	leo	2	2	30	hot and sultry
8	☾ pr. aus. p. ♄	leo	14	3	41	producing Show-
9	☾ pr. Cor. Leon.	leo	27	New	☾	ers about the New
10	☾ St. Laurence	virgo	9	6	A 56	Moon, and conti-
11	☾ pr. Auf. Al. m	virgo	21	7	14	nues showery and
12	☾ Sol in Virgine	libra	3	7	28	☾ ☽ ☿. dropping
13	☾ pr. Sun. aft. Trin.	libra	14	7	46	for some Time;
14	☾ pr. auf. vest. m	libra	27	1	6	other whiles some
15	☾ pr. Lan. Aus.	scorp.	9	8	33	cool Gales of
16	☾ V 17. R	scorp.	21	9	3	* 4 ☽. Wind,
17	☾ II.	sagit.	3	9	42	followed with
18	☾ II.	sagit.	15	10	38	some hot Days,
19	☾ R 27 R	sagit.	28	11	33	and good Harveſt
20	☾ Sun. aft. Trin.	capric.	11	12	4	Weather, and
21	☾ II.	capr.	25	0	M 43	may probably
22	☾ I 15.	aqua.	9	2	7	continue so till
23	☾ pr. dex. gru. m	aqua.	24	3	31	the Full Moon,
24	☾ St. Bartholom.	pisces	9	Full	☾	which produces
25	☾ pr. Caud. Cere	pisces	24	6	A 26	☾ ☽ ☿. Showers,
26	☾ pr. Vent. Cere	aries	9	6	45	but soon settles in-
27	☾ Sun. aft. Trin.	aries	24	7	12	to windy, dry,
28	☾ Dog-days end	taur.	9	7	42	☾ ♄ ☿. and
29	☾ pr. Pleiades	taur.	23	8	18	good Harvest
30	☾ pr. Aldebaran	gem.	7	9	4	Weather about
31	☾ pr. Cornu &	gem.	20	9	59	the End.

For Account
Eng. Account

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SAUNDER. August, 1732.

Saturn at the beginning is south between 3 and 4 in the morning, at the end about 2. Jupiter at the beginning sets between 8 and 9 at night, at the end between 7 and 8. Mars at the beginning sets near 10 at night, at the end between 9 and 10. Venus is combust. Mercury emerge h.

Aug. Account	For Account	Rom. Kalend.	Rom. Sts. days					
12	B	Clara V.		quake; and Accounts of	14	39	7	2
13	a	Amatus		many others are frequently	2	41		19
14	b	Eusebius		ne with in History Some	3	42		18
15	c	As. V. M.		offering at the Cause of	4	44		16
16	d	Rhocus		Earthquakes, will tell you	5	46		14
17	e	S. af. Tr.		strange Stories of a sort of	6	48		12
18	f	Helena		infernal Spirits that are the	7	5		10
19	g	Clinton		Cause of them; others wi	8	52		8
20	a	Fausta		tell you of they know not	9	54		6
21	b	Athanasius		what, Wind and Exhala	10	5		4
22	c	Syphora		tions inclosed in the Caves	14	58	7	2
23	d	Zacheus		and Caverns of the Earth,	25	67		0
24	e	S. af. Tr.		St. Bartholomew) and en	35	2	5	58
25	f	Severinus		d, endeavouring to break forth,	14	3		57
26	g	Aureus		find some narrow Passag	15	5		55
27	a	Rufius		and are thereby the Caus	16			5
28	b	Augustin		of Earthquakes: But wha	17			52
29	c	Dec. J B p		can so naturally produc	18	10		5
30	d	Felix		such Effects as these subter	19	12		48
31	e	S. af. Tr.		anean Fires, which have	20	14	5	4
1	f	Agidius		burnt for so many Ages	21	1		44
2	g	Anchony		these Fires meeting some	22	16		42
3	a	Mimerr.		times with greater Quin	23	20		40
4	b	Geofolia		tities of those nitrous, sul	24	22		38
5	c	Zacharias		phureous, and vituminous	25	24		36
6	d	Magnus		Substances, do then caus	26	26		34
7	e	S. af. Tr.		these violent Explosion: qu	27	28	2	32
8	f	Nat. V. M.		Eruptions, which often	28	30		30
9	g	Tregon		take not only the Coun	29	32		28
10	a	Filius		tries thereabouts, but also	30	34	5	26
11	b	Felix		other Parts of the Earth, at	31	36		24

September hath XXX Days.

- New moon the 8th day at 5 in the morning.
- First Quarter the 16th day at 8 in the morning.
- Full moon the 23d day at 1 in the morning.
- Last Quarter the 29th day at 8 at night.

1	f	1 pr. luc. p.d. n	canc.	3	11	A	4	☉ ☽	Some
2	U	2 pr. cast. & poll.	cinc.	10	12	12	3	☿ ☿. fair & dñ	
3	U	3 Sun. aft. Trin.	canc.	20	0	M	1	☿ ☿. Days at the be-	
4	b	4 pr. Caput. ♏	leo	11	1	33		☿ ☿. beginning, and (ex	
5	c	5 pr. Cord. leon.	leo	23	2	46		☿ ☿. cept	
6	d	6 pr. Vent. leon.	virgo	0	3	54		☿ ☿. some gentle	
7	e	7 pr. Caud. leon.	virgo	17	5	1		☿ ☿. showers about	
8	f	8 pr. Vindemiati	libra	7	New	●		☿ ☿. the New	
9	U	9 pr. ul. fin. al. m	libra	12	5	A	58	☿ ☿. Moon) we shall	
10	U	10 Sun. aft. Trin.	libra	24	6	2		☿ ☿. have fair	
11	b	Sol in Libra	scorp.	5	6	46		☿ ☿. & season-	
12	c	12 pr. Lane. Bor.	scorp.	17	7	15		☿ ☿. ably Weather	
13	d	13 V 15 R.	scorp.	29	7	51		☿ ☿. for the most part	
14	e	Exalt. Crucis	sagit.	12	8	35		☿ ☿. also some frosty	
15	f	15 17.	sagit.	24	9	29		☿ ☿. Mornings about	
16	U	16 29.	capri.	7	10	35		☿ ☿. this Time, then	
17	U	17 Sun. aft. Trin.	capri.	20	1	52		☿ ☿. follows some	
18	b	18 26 D.	aquat.	3	13	11		☿ ☿. windy & showery	
19	c	19 8 R.	aqua.	17	14	M	11	☿ ☿. Weather	
20	d	Ember Week	pisces	2	2	36		☿ ☿. afterwards some	
21	e	St. Matthew	pisces	17	4	0		☿ ☿. warm and pleasant	
22	f	22 13.	aries	2	5	31		☿ ☿. Days at	
23	U	23 pr. Vent. Cote	aries	18	Full	●		☿ ☿. the full Moon,	
24	U	24 Sun. aft. Trin.	taur.	3	5	A	53	☿ ☿. when we may	
25	b	25 pr. Caud. arie	taur.	18	6	22		☿ ☿. exp	
26	c	26 pr. Aldebaran	gem.	2	7	9		☿ ☿. Snows and bri-	
27	d	27 p. bor. corn. c	gem.	16	8	3		☿ ☿. Winds, followed	
28	e	28 pr. luc. ped. n	canc.	0	9	5		☿ ☿. with frosty	
29	f	29 St. Michael	canc.	13	10	14		☿ ☿. Mornings, & fair	
30	U	30 pr. luc. cau. c	canc.	26	11	27		☿ ☿. & pleasant Wea-	
								☿ ☿. ther at the end.	

SAUNDER. September, 1732.

Lib. Account.	For. Account.	Rom. Kalend.	Rom. C. day.	Text
				At the beginning is South between 1 and 2 in the morning, at the end about midnight. It is bid under the Sun Beams, going to Combustion. Mars at the beginning sets about 9 at night, at the end between 8 and 9. It emergeth, rising before the Sun. Mercury about the middle is combust.
112	c	Tobias		a great distance; yet some-
113	a	Amatus		times tho' great Quantities
114	b	Nicomed.		of this combustible Matter
115	c	Enriolus		be enkindled and set on fire;
116	d	Lunpert		as often appears by the ex-
117	e	Januarius		traordinary roaring and
118	f	Vict. &c		limaking of those prodigi-
119	g	Faula		ous Vulcano's, there follows
120	h	S. Matthew		no violent Eruption or Ex-
121	i	Mauritius		plotion; for this burning
122	k	Tecla V. M		Matter lying vastly deep, is
123	l	Rupert		sometimes stifled or choak'd
124	m	Cleophas		under Ground, and then
125	n	Cyprianus		happens only a Tremor,
126	o	Col. & Da.		Struggle, or gentle swaying
127	p	S. Michael		of the Earth, but no great
128	q	Hierom		Shog, as in that Earthquake
129	r	Remigius		which happen'd the 8th of
130	s	Leodegar		Sept. 1692; which was felt
131	t	Maximin.		at London, and some other
132	u	Francis		Parts of this Nation, as only
133	v	Fides		a gentle swaying to and fro,
134	w	Marcus		and continu'd for some Se-
135	x	Pelagia		conds of Time; it happen'd
136	y	Dionysius		a little after 2 in the After-
137	z	Burchard		noon, when, as many being
138	a	Gideon		at Dinner, fancy'd them-
139	b			selves to be taken with a
140	c			Giddiness or Swimming in
141	d			their Heads; but those that
142	e			were walking, especially in

October hath XXXI Days.

- New moon the 7th day at 10 at night.
- First Quarter the 15th day at 8 at night.
- Full moon the 22d day at 11 in the morning.
- Last Quarter the 26th day at noon.

1	Q	17 Sun. aft. Trin.	leo	8	12 A 39	Moon's rising.	Cloudy and close ☉ ☽ ♀. but fair and dry Weather at the beginning; also some sharp ☐ ☽ ☽. Frosts, but some Showers or drizzling Raid about this Time; ☽ ☽ ♀. then fol- lows some fair & pleasant Days, and very season. ☐ ☽ ♀. able for this Month; and probably not much down fall ☽ ♀ ☽. till about the 20 or 21 days, when we may expect more Plenty of cold ☐ ☽ ☽. Δ ☽ ? Rain or Snow: Afterwards some Frosts, with fair and pleasant Weather & may probably continue to the End of the Month.
2	b	Propo Coll. Ω	leo	21	0 M 39		
3	c	Pr. Tergum Ω	virgo	3	1 54		
4	d	Pr. Caudam Ω	virgo	15	3 3		
5	e	Pr. Vindemiæ	virgo	27	4 7		
6	f	Pr. ul. sin. al. m	libra	9	5 16		
7	g	Pr. Spica Virg.	libra	20	New		
8	Q	18 Sun. aft. Trin.	scorp.	2	5 A 2	Moon's setting.	
9	b	Pr. Lanc. Bor.	scorp.	14	5 29		
10	c	Pr. lu. front. m	corp.	26	6 2		
11	d	K. Geo. II. Cor.	sagit.	9	6 43		
12	e	Sol in Scorpio	sagit.	21	7 34		
13	f	☽ ♀ 13 R	capri.	3	8 33		
14	g	☽ ♀ 20.	capri.	16	9 39		
15	Q	19 Sun. aft. Trin.	capri.	29	11 0	Moon's rising.	
16	b	☽ ♀ 20.	aqua.	13	12 19		
17	c	☽ ♀ 19.	aqua.	27	0 M 19		
18	d	St. Luke	pisces	11	1 40		
19	e	☽ ♀ 26 D.	pisces	26	3 2		
20	f	☽ ♀ 12.	aries	11	4 27		
21	g	Pr. pri. * ariet.	aries	26	5 54		
22	Q	20 Sun. aft. Trin.	taur.	11	Full	Moon's setting.	
23	b	Term begins	taur.	26	5 A 4		
24	c	Pr. bor. corn. &	gem.	11	5 54		
25	d	Crispin	gem.	25	6 54		
26	e	Pr. vent. auf. π	canc.	9	8 4		
27	f	Pr. lu. ra. ca. ☽	canc.	22	9 18		
28	g	St. Simon & Jude	leo	5	10 31		
29	Q	21 Sun. aft. Trin.	leo	12	11 12	Moon's rising.	
30	b	Pr. Tergum Ω	virgo	0	12 48		
31	c	Pr. Caudam Ω	virgo	12	0 M 48		

SAUNDER. October, 1732.

Saturn at the beginning is south between 11 and 12 at night, at the end about 10. Jupiter at the beginning is combu^t. Mars sets about 9 at night. Venus at the beginning rises between 2 and 3 in the morning, at the end about 3. Mercury rises a little before the Sun.

1	18. S. af. Tr.	in the Streets, were scarcely	1	6	40	5	20
2	Edvardus	sensible of it. I have an	2		42		18
3	alatus	Account from a Friend of	3		44		16
4	Severus	another Earthquake which	4		46		14
5	Gaius	happen'd the 6th of <i>October</i>	5		48		12
6	Florentius	1683, near 11 at night; he	6		50		10
7	St. Luke	was then at a Neighbour's	7		52		8
8	19 S. af. Tr.	House in this Country,	8		54		6
9	Wendelin.	where sitting with 4 or 5	9		56		4
10	Cordula	more in Company, after a	10	6	58		2
11	40 V. Mar.	roaring Noise, & a Tremor	11	7	60		0
12	Romanus	or Shaking for some short	12	7	2	4	58
13	Salome	time, the Earthquake end-	13		4		56
14	Crispin.	ed with a great Shog, and	14		6		54
15	20 S. af. Tr.	the Company could plainly	15		8		52
16	Ursula	see the Chimney-piece and	16		10		50
17	Sim. & Jud	Walls give, as it were, a	17		12		48
18	Narcissus	great Nod forward, and so	18		14		46
19	Theonest.	return back. Now when such	19		16		44
20	Wolfgang.	great Shogs happen we may	20	7	18	4	42
21	All Saints	conclude there hath been in	21		20		40
22	21 S. af. Tr.	some of those prodigious	22		21		39
23	Theophil.	Vulcano's a great Eruption,	23		23		37
24	Amundus	for when greater Quantities	24		25		35
25	Latus	of this combustible Matter	25		27		33
26	Leonard	happen to be set on fire, the	26		29		31
27	Wilibald	Air within being so migh-	27		31		29
28	Severus	tily rarify'd, that it requires	28		33		27
29	22 S. af. Tr.	a further Expansion; from	29		35		25
30	Martin P.	hence comes a mighty Stri-	30	7	37	4	23
31	Martin B.	ving or Struggle within the	31		38		22

November hath XXX Days

- New Moon the 6th day at 5 in the Evening.
- First Quarter the 14th day at 6 in the morning.
- Full Moon the 20th day at 9 at night.
- Last Quarter the 28th day at 7 in the morning.

1	D	All Saints	virgo	24	1	M 56	Some sharp Frosts,
2	E	All Souls	libra	5	3	3	with fair and
3	F	pr. Spica Virg.	libra	17	4	12	pleasant Weather
4	G	pr. aul. vest. m.	libra	29	5	20	at the beginning.
5	A	Sun. aft. Trin.	scorp.	11	6	28	Gunpowder Plot
6	B	Eclipse'd invis.	scorp.	23	New	●	☿ ☿ ☿ Now Mists
7	C	pr. Cord. Scorp	sagit.	5	4	A 34	☿ ☿ ☿ or drizzling
8	D	h v 11 R.	sagit.	18	5	21	Rain, with high
9	E	☿ ≈ 28,	capri.	0	6	23	Winds & stormy
10	F	☿ ≈ 8,	capri.	13	7	27	(St. Martin)
11	G	Sol in Sagittary	capri.	26	8	41	Weather, then
12	A	Sun. aft. Trin.	aqua.	9	9	59	fair for a Day
13	B	☿ ≈ 17.	aqua.	23	11	21	or two, but soon
14	C	☿ ≈ 8.	pisces	7	12	39	△ h ☿. * h ☿.
15	D	☿ ≈ 11.	pisces	21	0	M 39	turns to high
16	E	pr. Algenib	aries	5	2	2	Winds & tempe-
17	F	St. Hugh	aries	20	3	23	* ☿ ☿. stuous
18	G	pr. Manker	taur.	5	4	48	Weather, & very
19	A	Sun. aft. Trin.	taur.	19	6	14	probably plenty
20	B	Eclipse'd visib.	gem.	4	Full	●	△ ☿ h. of Down-
21	C	pr. Cornu ☿	gem.	19	4	A 25	fal, of Snqw or
22	D	Cecilia	canc.	3	5	32	cold Rain; and
23	E	pr. Castor	canc.	17	6	45	it will now be
24	F	pr. Aslellos	leo	0	8	2	☿ ☿ ☿. very stor-
25	G	pr. caput Leon.	leo	13	9	16	ny, and Winter-
26	A	Sun. aft. Trin.	leo	26	10	30	like Weather to
27	B	pr. Tergum S	virgo	8	11	38	the end of the
28	C	Term ends	virgo	20	12	46	* ☿ ☿. Month.
29	D	pr. Vindemiati.	libra	2	0	M 46	
30	E	St. Andrew	libra	14	1	52	

ing.

Moon's setting.

Moon's rising.

Eng. Account.

SAUNDER. November, 1732.

Saturn at the beginning is fourth between 9 and 10 at night, at the end between 7 and 8. Jupiter emergeth, rising before the Sun. Mars sets about 9 at night. Venus at the beginning rises a little after 3 in the morning, at the end about 4. Mercury is combust.

11	12	a	Ludovicus	Earth, which is the Cause	11	7	35	4	21
2	13	b	Ascanius	of the Tremor or Shaking;	12		44		19
3	14	c	Fredericus	but at last finding a Vent or	3		43		17
4	15	d	Leopold	Passage out, then follows the	4		45		15
5	16	e	23 S. af. T. L.	violent Eruption, which is	5		46		14
6	17	f	Hugo	the cause of the great Shog.	6		48		12
7	18	g	Hezechia	Now the Thunder & Light-	7		49		1
8	19	a	Elisabetha	ning are terrible and fright-	8		51		9
9	20	b	Eugenius	ful to hear and see, yet	9		52		8
10	21	c	Ob. V. M.	Earthquakes are much more	10	7	54	4	6
11	22	d	Cecilia	dreadful. By Lightning we	11		55		5
12	23	e	24 S. af. T. L.	Sometimes hear of a House	12		57		3
13	24	f	Chryfog.	or Tree fired, or stricken	13	7	58	4	2
14	25	g	Catharine	down, or of some few Peo-	14	8	6	4	0
15	26	a	Conradus	ple, or sometimes 2 or 3	15	8	13		59
16	27	b	Ruffus	Beasts kill'd therewith, but	16		2		58
17	28	c	Guntherus	by Earthquakes whole Ci-	17		4		56
18	29	d	Saturnus	ties, Towns and Countries	18		5		59
19	30	e	St. Andrew	Advent.) have been over-	19		6		54
20	Dec.	f	Longinus	thrown and destroy'd. And	20		7		53
21	1	g	Libanus	as the learned Sir Francis	21		8	3	52
22	2	a	Cassianus	Bacon saith in his Essays,	22		9		53
23	3	b	Barbara	As for the great Burnings	23		10		50
24	4	c	Sabina	by Lightning, which are	24	8	11	3	47
25	5	d	Nicholas	often in the West-Indies, they	25		12		48
26	6	e	25 S. in Adv.	are but narrow, but the two	26		13		47
27	7	f	Con. V. M.	great Winding sheets that	27		14		45
28	8	g	Joachim	bury all Things in Oblivion,	28		15		45
29	9	a	Eulalia	are Deluges and Earth-	29		15		45
30	10	b	Damascus	quakes. As for Conflagra-	30	8	16	3	44
				tions and Drought, they do					

December hath XXXI Days.

- New moon the 6th day at 10 in the morning.
- First Quarter the 13th day at 3 in the morning.
- Full moon the 20th day at 11 in the morning.
- Last Quarter the 28th day at 5 in the morning.

1	f	pr. auf. vest. m	libra	26	2M57	cloudy, misty, &
2	f	pr. Lanc. auf.	scorp.	4	4	rogay Weather
3	f	Advent Sunday	scorp.	20	5	at the beginning
4	f	pr. cord. scorp.	sagit.	2	6	then follows
5	f	pr. cap. optim.	sagit.	14	7	☐ ♀. more clear
6	d	eclips. invis.	sagit.	27	New	& pleasant Days,
7	f	♂ v. 10. st. ad D.	capri.	10	5 A	& probably some
8	f	♂ m 4.	capri.	23	6	sharp Frosts,
9	f	♂ m 29.	aquar.	6	7	afterwards yield-
10	f	♂ m 29. in Adv.	aquar.	20	8	* ♂ ☉. ing with
11	b	Sol in Capricorn	pisces	4	10	Snow or cold
12	c	♂ m 21.	pisces	18	11	Rain; then the
13	c	Lucia Virg.	aries	2	12	Frost returns
14	f	♂ v. 23.	aries	16	0M58	* ♀ ♀. with more
15	f	♂ m 10.	taurus	0	2	* ☉ ♀. calm and
16	f	pr. caud. ariet.	taur.	14	3	♂ ♀. pleasant
17	f	♂ m 29. in Adv.	taur.	29	4	Weather and is
18	b	pr. Corn. ♂	gem.	13	6	likely to conti-
19	c	pr. Propus	gem.	27	7	nue, except some
20	d	Imber Week	canc.	1	8	☐ ☉ ♀. Alteratio
21	c	St. Thomas	canc.	25	5 A24	about the Full
22	f	pr. auf. cap. ♀	leo	8	6	Moon, to a close
23	f	pr. Cord. leon.	leo	21	7	dy & close Air,
24	f	♂ m 29. in Adv.	virgo	4	9	but not much
25	b	Nativ. of Christ	virgo	16	10	down fall no de
26	c	St. Stephen	virgo	28	11	expect much,
27	d	St. John Evan.	libra	10	12	(but some drizzle
28	c	Innocents	libra	22	0M3	☐ ♀. Rain
29	f	pr. Lanc. Auf.	scorp.	3	1	Sleet to the End
30	f	pr. Lanc. hor.	scorp.	15	2	of the Year.
31	d	Sund. air	scorp.	27	3	

SAUNDER. December, 1732.

Eng. Account. For. Account. Rom. Kalend. Rom. Sisd. days. *At the beginning is south about 7 at night, at the end between 5 and 6. ♃ at the beginning rises between 3 and 4 in the morning, at the end between 2 and 3. Mars sets about 9 at night. Venus at the beginning rises between 4 and 5 in the morning, at the end about 5. Mercury sets after the Sun.*

1	12	c	Valerius	not merely dis people, but	1	3	13	44
2	13	p	Lucia V.	destroy; but in the other	2	17	43	
3	14	o	38. <i>ma. Adv.</i>	two Destructions, by De-	3	17	43	
4	15	e	Abraham	luge and Earthquakes, the	4	18	42	
5	16	b	Ananias	Remnant of People that	5	18	42	
6	17	a	Lazarus	happen to be reserved, are	6	18	42	
7	18	b	Rufus	commonly ignorant and	7	19	41	
8	19	c	Loth	mountainous Peop'e, that	8	19	41	
9	20	p	Ammon	can give no Account of the	9	19	41	
10	21	o	45. <i>ma. Adv.</i>	St. Thomas) Time past, so	10	8	19	41
11	22	e	30. Mart.	that the Oblivion is all one	11	19	41	
12	23	b	Victor	as if none had been left. The	12	19	41	
13	24	a	Adam & Eve	I named Sir Thomas Brown, in	13	19	41	
14	25	b	Christmas	his iniscellaneous Tracts,	14	18	42	
15	26	c	St. Stephen	speaking of the Dead Sea, or	15	18	42	
16	27	d	St. John	Lake of Sodom, &c. tells us	16	18	42	
17	28	e	Innocents	that Strabo speaks naturally	17	17	43	
18	29	f	Jonathan	of this Lake, that it was first	18	17	43	
19	30	g	David	caused by Earthquakes, by	19	16	44	
20	31	a	Silvester	sulphureous and lituminous	20	3	16	44
21	Jan. 1	733	<i>ma. Adv.</i>	Eruptions arising from the	21	15	45	
22	2	b	Enoch	Earth; but the sacred Scrip	22	15	45	
23	3	c	Methusal.	tures make it plain to have	23	14	46	
24	4	d	25. <i>at. Chr.</i>	been from a mir culou	24	16	46	
25	5	e	Simeon	Hand, and by a remarkable	25	13	47	
26	6	f	Epiphany	Expression. <i>Puit Dominus</i>	26	12	48	
27	7	g	Juliana	<i>Ignem & Sulphur a Domino.</i>	27	11	49	
28	8	a	Richard	See also Deuteronomy 29,	28	10	50	
29	9	b	Marcellus	<i>in ardore salis</i> ; burning the	29	9	51	
30	10	c	Nicanor	Cities, &c.	30	8	51	
31	11	d	15. <i>at. Epip.</i>		31	7	52	

A TABLE shewing how many Years Purchase a Lease or Annuity (to endure for any number of Years under 33) is worth presently, at Interest upon Interest, at Six in the Hundred; and shewing plainly how to discount any Lease in being, and the value of the Reversion after any number of Years.

The Use and Explanation of the TABLE.			
The first Column towards the left Hand, sheweth the Years of a Lease, or Annuity; and right against each Year, is the Years, Months, and Tenth Parts of a Months Purchase, that such a Lease or Annuity is worth.			
1	0	11	0
2	1	0	9
3	2	8	1
4	3	5	9
5	4	2	5
6	4	11	1
7	5	7	0
8	6	2	7
9	6	9	9
10	7	4	3
11	7	10	7
12	8	4	0
13	8	10	3
14	9	3	6
15	9	8	5
16	10	1	3

AGAIN.

If you are to take or buy the Reversion of any Lease or Annuity, work thus: Suppose the Lease to be thirty Years in all, you find in the Second Table and Right Hand against Thirty, 13 Years, 9 Months, and 2 Tenth Parts of a Months Purchase, this it were worth were it in present Possession. But suppose there be a Lease of five Years (more or less) before you commence, look in the Table against the five Years, and there you find 4 Years, 2 Months, and 5 Tenth parts of a Months Purchase: Take this out of the Sum against Thirty, which is, 13, 9, 2. the Remainder is, 9, 6, 7, which is 9 Years, 6 Months, and 7 Tenth Parts of a Month; and so much is the Reversion after 5 Years, worth the Remainder of 30 Years.

This is Useful, and very Easie.

S A U N D E R, 1732.

The SECOND PART.

Containing the Eclipses; the Suns Quarterly Ingresses; the Southings of the 7 Stars for every 5th Day of this Year; with Directions for finding the Rising, Southing and Setting of several Fixed Stars: As also, Rules & Tables to measure Timber: And other Things worth Observation.

The Characters of the Twelve Signs, and what parts of the Body they are said to govern.

♈ Aries, Head & Face; ♉ Taurus, Neck & Throat; ♊ Gemini, Arms & Shoulders; ♋ Cancer, Breast & Stomach; ♌ Leo, Heart & Back; ♍ Virgo, Bowels & Belly; ♎ Libra, Arms & Loins; ♏ Scorpio, Secrets; ♐ Sagittary, Thighs; ♑ Capricorn, Knees; ♒ Aquarius, Legs; ♓ Pisces, the Feet.

The Characters of the planets, with the Dragons Head and Tail; ♄ Saturn, ♃ Jupiter, ♀ Mars, ☉ Sol, ♀ Venus, ☿ Mercury, ☾ Moon, ♁ Dragons Head, ♂ Dragons Tail.

The Aspects.

♊ Conjunction, * Sextile, □ Quartile, △ Trine, ♂ Opposition;

A Brief Chronology of Memorable Things, to this Year, 1732.

T H E Creation of the World	5681
Noah's Flood	4025
The Destruction of Sodom and Gomorrah	3634
The Destruction of Troy	2914
Brute entred this Island	2839
The Building of London	2839
The Building of York	2721
The Building of Leicester	2675
The Building of Canterbury	2624
The Building of Stamford	2595
The Building of Rome	2484
The Destruction of Jerusalem by T. Vesp.	1645
England first received the Christian Faith	1552
The Tower of London built	1167
Duke William conquered England	666
Westminster Hall was built	633
The Bible divided into Chapters	47
	The

Since

SAUNDER. 1732.

	The Invention of Guns	354
	The Art of Printing	292
	St. Pauls Steeple fired	171
	New Star in <i>Cassiopeia</i>	159
	A great Snow fell Feb. 4:	154
	Tilbury Camp on St. James's day	144
	A Plague in London, whereof dyed 30598	123
	Gunpowder Treason, November 5.	127
	A great Snow, and <i>Smisfield</i> paved	117
	A great Plague in London, whereof dyed 35418	107
	The Long Parliament began, November 3.	92
	King Charles the First was Murdered	84
	Two Comets appeared in December and March	68
	The doleful Plague that followed them	67
	London was burnt, September 2, 3, 4, 5	66
	The last great Snow	48
	The wonderful Comet in December	52
	A Comet in August	50
Since	The terrible Fire in Wapping, November 19.	50
	A great Earthquake, October the 6th	49
	The last great Frost	48
	The Rebellion in the West	47
	The seven Bishops sent to the Tower, June	44
	The Prince of Orange Landed, November 5.	44
	King William went to Ireland with an Army, June	42
	The French Fleet beaten by the English and Dutch, &c.	40
	Our most Gracious Queen Mary Dyed, Dec. 28.	38
	The Horrid Conspiracy to Assassinate His Majesty King William, and to bring in the French, was happily disc.	36
	The Peace concluded with France	35
	War again proclaimed against France, &c.	30
	Gibraltar taken by the English & Dutch Fleet, July	28
	The Glorious Battle of <i>Blenheim</i> , where the French } were Beaten by the Confederates }	28
	The Battle of <i>Ramilis</i> , wherein the French were beaten	26
	England and Scotland made one Kingdom, by the } Name of Great Britain, May 1.	25
	Peace again concluded with France, 1713	19
	King George 1. proclaim'd Aug. 1. 1714.	18
	King George 1. died, June 11. 1727.	9
	King George 2. proclaimed, June 10. 1727.	9
	And crowned October 11. 1727.	8

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SAUNDER, 1732.

Of the Eclipses this Year, 1732.

FIVE Times will the two great Luminaries be eclipsed to the Inhabitants of this Terraqueous Globe: They happen in the following Order.

The first is a great Eclipse of the Moon, May 28, at 2 in the Afternoon, therefore invisible here, but will be conspicuous in the *East Indies, Land of Papous, Guinea Nova, Hollandia Nova, &c.*

The second is of the Sun, June 11, at Noon, but invisible here, by reason of the Moon's great South Latitude, augmented by her Parallax: It will appear Eclipsed to the South Parts of *Africa, the Islands St. Helena, Ascension, Dos Picos, &c.*

The third is also of the Sun, November 6, about 4 in the Afternoon, but invisible here, it will be conspicuous to the Southern parts of *America, Magellan's Straits, &c.*

The fourth is a total Eclipse of the Moon, November 20, in the Afternoon, as followeth;

	d.	h.	m.	
The Beginning Nov.	20	8	9	P.M.
The Beginning of total Darkness		9	7	
The True Ecliptic ☿		9	54	
The Middle		9	55	
The End of total Darkness		10	42	
The End of the Eclipse		11	40	
The Continuance of total Darkness		1	35	
The total Duration		3	31	
Digits Eclipsed	20 dig 48 m.			

The



TYPE.

The fifth and last is of the Sun, December 6, at 9 in the morning, but invisible here, and so small, will scarce be seen any where, except in the Northern Parts of *Russia, Wygats, Sibiria, Nova Zemla, Iceland, Greenland, &c.*

SAUNDER, 1732.

Of Eclipses of the Sun and Moon, what they are, and when they happen.

THE Eclipse of the Sun is not properly an Eclipse, tho' commonly so called, it being nothing else but the direct Interposition of the Body of the Moon betwixt our Sight and the Sun; for the Moon being a dense, solid, and dark Body, and not transparent, coming betwixt the Sun and the Earth, (which is always in a Conjunction) doth thereby hide more or less of the Sun's bright-shining Body from our Sight: But yet the Sun is not eclipsed at every Conjunction, but when it falleth in or near those Intersections of their Orbs, called the Head or Tail of the Dragon: Neither can the Eclipse of the Sun be Universal, as the Moon is; but may appear in one Climate a great Eclipse, in another it may be lesser, and in othersome no Eclipse at all, and that at the self-same Instant: And the Reason is, that the Sun so far exceedeth the Earth, and the Earth the Moon in Bigness, that the Cone of the Moon's Shadow cannot take away or hide the whole Body of the Sun from all Parts of the Earth; but one Part on'y shall observe the same to be Total, or of like Quantity. Hence it may appear that the Sun loseth no Light, but only we are deprived of the same by the Interposition of the Moon's dark Body.

The Eclipse of the Moon is caused by the Interposition of the Earth between the Sun and her; for the Moon having no Light but what she receiveth of the Sun, is therefore by the Earth's Interposition eclipsed; and this can never happen but at the Full; yet not at every Full Moon, but only when at the Opposition she is found in or near the Ecliptick, that is, in or near to those Nodes, or Intersections of the Ecliptick, called the Head and Tail of the Dragon; for then having little or no Latitude, but being diametrically opposite to the Sun, the dark Shadow of the Earth falleth upon her, and eclipseth her. From hence it appears, that what we call an Eclipse of the Sun, is more properly an Eclipse of the Earth: For as the Shadow of the Earth eclipseth the Moon, so the Shadow of the Moon eclipseth the Earth; the Sun loseth no Light in one Case more than in the other, &c.

SAUNDER. 1732.

A Table of Equation of Natural Days, for the better proving the Truth of the Motion of Clocks and Watches, for the first six Months of the Year 1732.

M.D.	January		Febr.		March		April		May		June	
	m.	f.	m.	f.	m.	f.	m.	f.	m.	f.	m.	f.
1	8	47	14	49	10	0	0	41	4	10	0	59
2	9	10	14	48	9	43	0	24	4	11	0	47
3	9	32	14	46	9	26	0	8	4	12	0	34
4	9	54	14	43	9	9	0	7	4	13	0	22
5	10	15	14	40	8	51	0	*22	4	12	0	10
6	10	36	14	36	8	33	0	37	4	11	0	*3
7	10	55	14	31	8	15	0	52	4	10	0	*16
8	11	14	14	26	7	57	1	6	4	8	0	29
9	11	32	14	20	7	39	1	19	4	5	0	42
10	11	40	14	13	7	20	1	31	4	2	0	55
11	12	5	14	5	7	1	1	47	3	59	1	7
12	12	22	13	57	6	43	1	57	3	54	1	20
13	12	37	13	48	6	24	2	9	3	50	1	33
14	12	51	13	39	6	5	2	19	3	45	1	46
15	12	5	13	29	5	46	2	30	3	39	1	59
16	13	18	13	18	5	27	2	41	3	33	2	11
17	13	30	13	7	5	9	2	51	3	26	2	22
18	13	41	12	56	4	50	3	0	3	19	2	35
19	13	51	12	44	4	31	3	8	3	11	2	41
20	14	0	12	32	4	13	3	16	3	3	2	59
21	14	9	12	18	3	54	3	24	2	54	3	10
22	14	17	12	5	3	36	3	32	2	46	3	22
23	14	24	11	51	3	17	3	39	2	37	3	33
24	14	30	11	36	2	59	3	45	2	27	3	44
25	14	35	11	21	2	40	3	50	2	17	3	54
26	14	39	11	5	2	22	3	54	2	6	4	4
27	14	43	10	50	2	5	3	58	1	56	4	13
28	14	46	10	34	1	47	4	2	1	45	4	32
29	14	47	10	17	1	30	4	5	1	34	4	31
30	14	49			1	13	4	8	1	22	4	39
31	14	49			0	57			1	11		

SAUNDER, 1732.

A Table of Equation of Natural Days, for the better proving the Truth of the Motion of Clocks and Watches, the last six Months of the Year 1732.

N. D.	July		August		Septem.		October		Novem.		Decemb.	
	m.	f.	m.	f.	m.	f.	m.	f.	m.	f.	m.	f.
1	4	47	4	26	3	58	13	22	15	19	5	28
2	4	55	4	16	4	19	13	36	15	10	4	59
3	5	2	4	5	4	39	13	49	15	1	4	31
4	5	9	3	54	5	0	14	2	14	50	4	2
5	5	15	3	43	5	20	14	14	14	33	3	33
6	5	20	3	31	5	4	14	26	14	24	3	3
7	5	25	3	18	6	1	14	37	14	13	2	33
8	5	30	3	5	6	22	14	47	14	0	2	3
9	5	34	2	53	6	13	14	57	13	45	1	3
10	5	37	2	3	7	8	15	6	13	30	1	33
11	5	40	2	24	7	24	15	15	13	13	0	34
12	5	43	2	9	7	44	15	24	11	56	0	4
13	5	45	1	54	8	4	15	30	12	38	0	26
14	5	45	1	38	8	24	15	36	12	19	0	56
15	5	46	1	22	8	43	15	42	12	0	1	26
16	5	46	1	5	9	3	15	47	11	40	1	56
17	5	45	0	48	9	23	15	51	11	20	2	25
18	5	41	0	31	9	42	15	54	10	59	2	34
19	5	42	0	13	10	2	15	57	10	37	3	23
20	5	40	0	5	10	21	15	59	10	14	3	52
21	5	37	0	22	10	39	16	0	9	50	4	21
22	5	33	0	40	10	57	16	1	9	26	4	40
23	5	29	0	59	11	15	16	0	9	2	5	16
24	5	25	1	19	11	32	15	59	8	37	5	43
25	5	19	1	39	11	49	15	56	8	11	6	11
26	5	13	1	38	12	6	15	54	7	45	6	37
27	5	7	2	17	12	22	15	50	7	19	7	3
28	5	0	2	37	12	37	15	46	6	52	7	29
29	4	52	2	37	12	52	15	40	6	24	7	54
30	4	44	3	18	13	8	15	34	5	57	8	58
31	4	25	2	28			15	27			8	41

SAUNDER, 1732.

The Equation of Time in the foregoing Table mentioned, ariseth from the difference of the Right Ascensions of the Equinoctial, and the Zodiack, together with the Equation of the Sun's or Earth's Annual Motion; whose sum if of like Denomination or Difference, if unlike, is the absolute Equation of Time, according to Mr. Tho. Street in his *Astronomia Carolina*.

Hence 'tis concluded, that a good and well adjusted Clock; or Watch, ought to be at all times so much Faster or Slower than the apparent Time shewn by a good Sun-Dial, as in the foregoing Table mentioned; and for the greater exactness in examining, 'tis best to compare by the same Sun-Dial, and at the same time of Day, as oft as may be.

Of the Four Quarters of the Year : And first of the Spring,

Spring Quarter begins *March 9. 31 m.* after 6 Mane, the Sun then entering the first Point of *Aries*, (or the Earth *Libra*) making equal Day and Night to all (except under the *Poles*.) This Quarter generally is hot and moist.

2. Of Summer.

This Quarter begins *June 10. 59 m.* after 8 Mane, making the longest Day and shortest Night to all on this side the Equator. This Quarter naturally is hot and dry.

3. Of Autumn.

Autumn this Year begins *September 11. 10 hours 30 minutes*, Afternoon, the Earth then entering *Aries*, or the Sun *Libra*, again making equal Day and Night. This Quarter is naturally cold and dry, resembling melancholly.

4. Of Winter.

Which begins *December 10. 14 m.* Afternoon, making our shortest Day and longest Night, and is naturally cold & moist.

To find the Rising, Southing and Setting, of several fixed Stars hereafter mentioned.

IN the Tables following you have first the seven Stars Southing for every fifth day: In the second Table is set the difference betwixt the Southing of those Stars therein named, and the seven Stars, which difference being added to the time of the seven Stars Southing, giveth theirs. In the same Table is also set their Semidiurnal Arches, thereby to find the rising and setting of the said Stars. Suppose it is required to

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know what time the great Dog-star, called *Syrinx*, will be South the 11th of *February*? I then find the Seven Stars South at 5 hours 11 minutes, to which I add 3 hours 2 minutes the difference annexed to the great Dog-Star, and it makes 8 hours 13 minutes, being the time of its Southing the said 11th of *February*. If to the Southing you add the Semidiurnal Arch 4 hours 31 minutes, it gives the time of its setting at 12 hours 44 minutes; but if you substract the Semidiurnal Arch from the Southing, it leaveth the time of its Rising. The like may be done by any other of the said Stars.

For the better distinction of the several sizes of Stars they are divided into six several magnitudes. The biggest and brightest Stars are called Stars of the first Magnitude. Those one size inferiour in light, and bigness, are called Stars of the second Magnitude, &c. Now for the better knowing the Stars hereafter-mentioned; Note, That the great Dog-star, Lion's-Heart, Virgins Spike, and the bright star of *Lyra*, are accounted stars of the first magnitude, so are also *Aldebaran* and *Arcturus*, but they are Red Stars, much of the colour of *Mars*, all the rest in the Table are of the second magnitude, except the Northern and Southern *Aff.* which are small Stars, being of the fourth magnitude.

A Table shewing the Hour and minute of the Seven Stars coming to South, every 5th day of this year, 1732.

Months.	Days of the Month.											
	1		6		11		16		21		26	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
January	7	A 58	7	A 37	7	A 15	6	A 54	6	A 33	6	A 13
February	5	A 50	5	30	5	11	4	52	4	33	4	15
March	4	A 13	4	23	4	24	3	52	3	47	2	29
April	2	A 8	1	49	1	31	1	12	0	53	0	33
May	0	A 15	11	M 55	11	M 35	11	M 15	10	M 54	10	M 34
June	10	M 9	9	48	9	27	9	7	8	46	8	26
July	8	M 6	7	46	7	25	7	5	6	46	6	26
August	6	M 4	5	46	5	27	5	9	4	50	4	32
September	4	M 1	3	53	3	35	3	18	3	12	4	42
October	2	M 23	2	4	1	45	1	26	1	6	0	47
November	0	M 23	0	3	11	A 40	11	A 17	10	A 55	10	33
December	10	A 12	9	A 50	0	27	0	8	4	28	2	1

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A Table shewing the difference in hours and minutes between the coming to south of several fixed stars, and the seven stars, as also their semi-diurnal Arches thereby to find their rising and setting.

Names of the Stars.	Diff.		semid. Arches		Names of the Stars.	Diff.		semid. Arches	
	South.					South.			
	h.	m.	h.	m.		h.	m.	h.	m.
Aldebaran B. eye	0	49	7	28	Lions heart, Basil.	6	23	7	13
1 st . In Orions Girdle	1	51	5	54	Virgins Spike	9	40	5	5
Br. Dog. Sirius	3	24	3	31	Arcturus	10	32	8	0
Castor 1 st . head	II	3	46	9	47 South ballance	11	54	4	0
Alt. Dog. procyon	3	54	6	32	North ballance	11	31	5	16
Pollux, 2 ^d . head	II	3	57	9	4 Northern Crown	11	52	8	55
Northern Ail.	4	56	8	12	bright * Lyræ	14	57	15	not
Southern Ail.	4	58	7	49	bright * Vulturis	16	66	43	

Here followeth some few Rules, and Tables, for the mensuration of Superficies and Solids.

For the Mensuration of superficial or flat measures, such as Board, Glass, Pavement, Hangings, &c. it will be necessary to know how to measure any plain superficial figure, as the Square, Long-square, or Parallelogram, Triangle, Circle, parts of the Circle, &c. examples of all which do here follow.

I. How to measure a Square.

Let there be a square floor, or pavement, the sides whereof are each of them 5 feet 6 inches, and 'tis required to know how many square, or superficial feet are contained therein. First (a good plain way to avoid Fractions will be to) Reduce the whole side into inches, 5 feet, 6 inches, being 66 inches, multiply 66 by 66, and the Product will be 4356, the superficial content in inches; then divide 4356 by 144 (the square inches in one foot) and the quotient will be 30 feet, and 36 inches remaining, which is the number of inches in one quarter of a foot; so that in such a square is contained 30 feet and one quarter. See the Margin.

$$\begin{array}{r}
 66 \\
 66 \\
 \hline
 396 \\
 396 \\
 \hline
 4356 \\
 4356 \\
 144 \\
 \hline
 30 \\
 432 \\
 36
 \end{array}$$

II. To

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II. To measure the Long-square or Parallelogram.

Suppose there be a Pavement whose length is 72 feet, and breadth 12 feet, how many feet is contained therein.

Multiply 72 in length, by 12 the breadth, and the product will be 864, and so many superficial feet are contained in that Pavement.

$$\begin{array}{r} 72 \\ 12 \\ \hline 144 \\ 72 \\ \hline 864 \end{array}$$

III. To Measure a Long Superficies, which is broader at one end than at the other.

Let there be a superficies whose length is 72 inches, the breadth of the greater end 50 inches, and the breadth of the lesser end 34 inches, and let it be required to know how many feet are contained therein. First, add the breadths of both the ends together, which maketh 84, take half thereof, which is 42, which being multiplied by 72 the length, the product will be 3024 the content in inches, which being divided by 144 (the inches in one foot) the Quotient will be 21 feet, and nothing remaining, so that there is exactly 21 feet in such a Superficies.

$$\begin{array}{r} 72 \\ 42 \\ \hline 144 \\ 288 \\ \hline 3024 \\ 144 \\ \hline 288 \quad (21) \\ 144 \end{array}$$

IV. How to Measure Triangles.

All Right lined Triangles are measured by this general Rule.

Multiply half the length of the Base by the whole Perpendicular. Or, the whole length of the Base by half of the Perpendicular.

Suppose the Base of a Triangle be 44, and the Perpendicular 26, what is the Content.

Multiply 44 (the Base) by 13, (half the perpendicular) the Product will be 572 : Or 22 (half the Base) being multiplied by 26, (the whole perpendicular) the Product will be 572, as before, which is the Content of such a Triangle.

V. All Trapezias, or Figures with four unequal sides ; also Multangular, or many sided irregular Figures, must be divided into Triangles, and those Triangles measured as before is taught, and their sums added together will give the content of such irregular Figures. And note, that the least number of Triangles, into which any plot or irregular figure may be reduced, will be less by two than the number of the sides of such irregular figures.

VI. How to measure Circles, and parts of Circles.

The Diameter of every Circle hath such proportion to the circumference of the same Circle as 7 hath to 22. Therefore

the Diameter being given to find the circumference, you must multiply the Diameter by 22, and the product being divided by 7, the Quotient will be the circumference. Thus, suppose the Diameter of a Circle be 14, multiply 14 by 22, the product will be 308, which being divided by 7, the Quotient is 44, being the circumference of that Circle whose Diameter is 14.

Having the Circumference to find the Diameter.

Multiply the circumference given by 7, the product divide by 22, and the Quotient will be the Diameter. Let the circumference of a circle be 60, multiply 60 by 7 the product will be 420, which being divided by 22, the Quotient will be 19, and $\frac{2}{11}$ or $\frac{1}{5.5}$ which is the Diameter.

To find the Area or Superficial content of a Circle. Multiply half the circumference by half the Diameter, the product is the content of the Circle: Thus, Let the circumference be 60, the half whereof is 30, and the Diameter 19 $\frac{2}{11}$ the half whereof is 9 $\frac{1}{11}$, by which multiplying 30, the product will be 286 $\frac{4}{11}$ which is the superficial content of such a Circle; or,

By the Diameter to find the Area of the circle. First, square the Diameter, multiply the square by 11, and divide the product by 14, the Quotient is the superficial content of the circle.

Let the Diameter be as above 19 $\frac{1}{11}$ the square whereof is 376 $\frac{1}{121}$ this multiplied by 11 produceth 4009 $\frac{4}{11}$ which being divided by 14 the Quotient is 286 $\frac{4}{11}$ as above, being the superficial content of such a circle.

To measure the superficial content of half the circle, the quarter of a circle, or of any other section of a circle, more or less, having the semidiameter given.

Multiply half of the compass thereof by the semidiameter of the circle, so shall you have the content.

Of the Mensuration of Solids.

A Plain or Superficial Measure consisteth of two dimensions, namely, length and breadth; so Solid measure consisteth of three dimensions, namely, length, breadth and thickness.

To measure any kind of Timber, either Square, Triangular, Round, or of any other Fashion, provided it be straight and equal all along.

Cast up the superficial Content at the end thereof, by the rules before going, for the finding the Content of the Square, Triangle, Circle, &c. which Superficial Content being multiplied

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plied by the length of the Piece, will give you the Solid Content thereof. *Example.* Let there be a piece of Timber, (or other solid matter) whose breadth is 18 inches, its depth 13 inches, and length 142 inches, to find how many solid feet are contained therein. First, multiply the breadth 18 by the depth 13, the product is 234, being the superficial inches at the end of the piece. Secondly, multiply this 234 by 142 the length of the piece, and the product will be 33228, the solid Content in inches. Thirdly, divide 33228 by 1728, (being the number of cubical inches in one solid foot) and the quotient will be 19, and 396 inches remaining, which is 19 solid feet, and almost one quarter of a foot, and so much is the solid content of such a piece.

A 2d Example of a round piece: Let there be a round piece of Timber whose compass is 60 inches, and the length 20 feet, (or 240 inches) and let it be required to find the solid content thereof. First, by the help of the circumference 60, find the Diameter (as before is taught) by multiplying 60 by 7, and dividing the product thereof by 22, so shall you find the Diameter to be $19\frac{1}{2}$. Then by either of the ways before taught, viz. by multiplying $\frac{1}{2}$ the circumference by $\frac{1}{2}$ the Diameter; or by (squaring, or) multiplying the Diameter in it self, and multiplying that square by $\frac{1}{14}$, and dividing the product by 14, the superficial content of the end of such a piece will be found to be $286\frac{1}{4}$ inches. Now multiply this $286\frac{1}{4}$ by the length of the piece 240, and the product will be 68727 $\frac{1}{4}$ the content in inches, which being divided by 1728, the quotient will be 39 feet, and $\frac{1}{2}$ of a foot, and 39 $\frac{1}{2}$ inch, remaining, which is the solid content of such a piece of Timber. But had this piece of Timber been measured by that egregiously false way of taking $\frac{1}{4}$ part of the Girt for the side of the square equal, it would have been found to be but 31 feet and $\frac{1}{2}$ of a foot, which is above $\frac{1}{4}$ part less than the truth, it being 39 feet, & above $\frac{1}{2}$.

In behalf of that erroneous way many do plead, that in round Timber there is great loss in chipping to bring it near a square, therefore that way may be allowed; but this is very unequal: in great Timber there being little loss, in small Timber much, let therefore the quality be considered, rather than make such unequal amends by a false quantity.

Of the Mensuration of Tapering Timber, either round or squared, such as Frustums of Cones and Pyramids.

First find the superficial Area of each end of the piece, and multiply the one Area by the other. Secondly, out of the

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the product of the two Area's, extract the Square Root. Thirdly, add this Root and the two Area's all into one sum. Lastly, multiply this sum by one third part of the length of the piece, and that product shall give you the Content.

Let there be a piece of Timber whose Circumference at the greater end is 66 inches, at the lesser end 44 inches, and the length 20 feet, and it is required to find how many solid feet are contained therein. First, the Area of the Circle at the greater end (by multiplying half the Circumference 33 by half the Diameter $10\frac{1}{2}$) will be found to be $346\frac{1}{2}$, and the Area of the Circle at the lesser end will be 154: These multiplied together do produce 53361. Secondly, out of this product extract the Square Root, which is 231, (for 231 being multiplied in it self produceth 53361). Thirdly, add the two Areas, and the Square Root 231 together, and the sum of them will be 731 $\frac{1}{2}$. Lastly, multiply $731\frac{1}{2}$ by 80 inches, (one third part of the length) and the product will be 58520, being the solid inches contained therein, which inches being divided by 1920, the Quotient will be 30 feet, and 1496 inches remaining, which is 3 quarters of a foot, and almost half a quarter.

To find the Content of Tapering Timber, other ways than is taught above.

These pieces being parts of Cones or Pyramids, their Contents may be found by seeking the Content of the whole Cone or Pyramid, (of which they are part) and the Content of that part which is wanting, for that part being subtracted from the whole, the remainder must be the Content of the part required.

Now the way to find the content of a Cone or Pyramid is, to multiply the superficial Content of the Base by one third part of the length; and to find the length of the top part of a Cone or Pyramid which is wanting; say thus, As the difference of the sides, or Diameters of the two ends, to the length between them; so is the side, or Diameter of the greater end, to the whole length. *Example*, of the piece before mentioned, whose greater end is 66 inches about, and the lesser end 44; hence the Diameter of the greater end will be 21, and the Diameter of the lesser end will be 14, and their difference is 7, therefore say, If 7 give 20 feet what will 21 give? Answer, 60 feet; being the whole length of the Cone: Now the superficial content

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content of the Base of this Cone. (being $346\frac{1}{2}$ inches) multiplied by 140 inches, (one third part of the length of the whole Cone) produceth 83160 inches, the content of the whole Cone. And the superficial content of the lesser end, (which is the Base, of the top (or wanting) part of the Cone) which is 154, being multiplied by 160, (one third part of the length of the top (or wanting) part) produceth 24640 inches, the content of the wanting part, which being subtracted from 83160, (the content of the whole Cone) the remainder is 58520 inches, the content of the part required, being the same as before.

Here followeth Tables ready calculated, for the Measuring of Squared or Round Timber, which is supposed to be equal all along: Their Use is thus; seek the side of the Squared, or compass of the Round Timber, in the first, third or fifth columns of the Tables, and against it, in the next column, you have the length of a solid foot. Thus, the side of a squared piece of Timber being 20 inches, the length of a solid foot will be 4 inches, and 3 tenth parts of an inch: And the compass of a round piece, being 80 inches, the length of a solid foot will be found to be 3 inches, and 39 hundredth parts of an Inch.

A Table, shewing how much in length will make a Solid Foot of any Square Stone or Timber: The side of the Square being given in Inches, from 1 Inch to 36 Inches square.

Side of the Square.	Length of a solid foot	Side of the Square	Length of a solid foot.	Side of the Square.	Length of a solid foot.
Inch.	ft. inc. 10ths	Inch.	Inch. 10ths	Inch.	Inch. 10ths
1	144 0 0	13	10 2	25	2 8
2	36 0 0	14	8 8	26	2 6
3	16 0 0	15	7 6	27	2 3
4	9 0 0	16	6 7	28	2 2
5	5 9 2	17	5 9	29	2 1
6	4 0 0	18	5 3	30	1 9
7	2 11 2	19	4 8	31	1 6
8	2 3 0	20	4 3	32	1 7
9	1 9 3	21	3 9	33	1 6
10	1 5 3	22	3 5	34	1 5
11	1 2 3	23	3 3	35	1 4
12	1 0 0	24	2 0	36	1 2

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A Table shewing how many inches in length will make a foot solid, of any round piece of Timber or Stone, the Girt being known, from 12 inches compals to 100.

Com. len. of a foot			Com. len. of a foot			Com. len. of a foot		
Inch.	Inch.	100 p.	Inch.	Inch.	100 p.	Inch.	Inch.	100 p.
11	179	46	41	12	92	71	4	31
12	150	80	42	12	31	72	4	20
13	128	49	43	11	74	73	4	08
14	110	79	44	11	31	74	3	97
15	94	31	45	10	72	75	3	86
16	84	82	46	10	26	76	3	76
17	75	14	47	9	83	77	3	66
18	67	02	48	9	42	78	3	57
19	60	15	49	9	04	79	3	48
20	54	29	50	8	69	80	3	39
21	49	23	51	8	35	81	3	31
22	44	86	52	8	03	82	3	23
23	40	90	53	7	73	83	3	15
24	37	69	54	7	42	84	3	08
25	34	74	55	7	18	85	3	01
26	32	12	56	6	92	86	2	94
27	29	79	57	6	68	87	2	87
28	27	70	58	6	45	88	2	80
29	25	82	59	6	24	89	2	74
30	24	13	60	6	03	90	2	68
31	23	60	61	5	84	91	2	62
32	21	21	62	5	65	92	2	57
33	19	92	63	5	47	93	2	51
34	18	78	64	5	30	94	2	46
35	17	74	65	5	14	95	2	41
36	16	76	66	4	98	96	2	36
37	15	86	67	4	84	97	2	31
38	15	04	68	4	70	98	2	26
39	14	28	69	4	56	99	2	22
40	13	57	70	4	43	100	2	17

Advertisements.

ARTIFICIAL TEETH Set in so firm as to Eat with them, and so exact as not to be distinguish'd from Natural; they are not to be taken out at Night, as is by some falsely suggested, but may be worn Years together; yet are they so fasted that they may be taken out and put in by the Person that wears them, at Pleasure; and are an Ornament to the Mouth, and greatly helpful to the Speech. Also Teeth Clean'd and Drawn, by *John Watts* and *Samuel Rutter*, Operators, who apply themselves wholly to the said Business, and Live in *Raquet-Court, Fleet-Street, London.*

TRusses for Ruptures, Instruments for the Lame or Crook-ed: By *Peter Bartlett*, Steel Truss Maker to the Chest at *Chatham* for the help of his Majesty's Seamen, at his House, at the Golden Ball in *St. Paul's Church-Yard, London.*—Persons in the Country sending their Bignets, and which side the Rupture is, in a Letter, post paid, may be supply'd with the Trusses, and proper Directions.

His Mother, *Mrs. M. Bartlett*, at the Golden Ball in *Fleet-Street*, near *Fleet-bridge*, is skillful in this Business to her own Sex.

IF any Gentleman, or other Person, would have his Land surveyed, or any Building or Edifice measured, either for *Bricklayers, Carpenters, Masons, Plasterers, &c.* the Author of this Almanack will perform the same, either for Master or Work-men. And if any Person would have about his House, or Gardens, any *Sun-Dials*, either *Direct, Declining, Inclining, Reclining, Concave, Convex, or Reflective*, he will make or prepare for them such as they shall desire.

*From Stapleford, near Melton-Mowbrey,
in the County of Leicester,*

Die 5, Aug. 18. 1731.

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